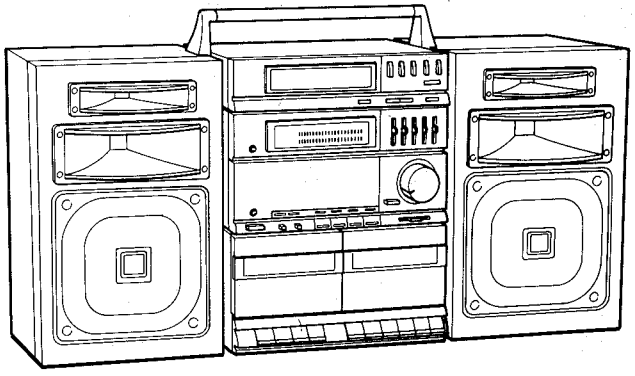
FH-404

SERVICE MANUAL

AEP Model
UK Model



- FH-404 is composed of following models. As for the service manual it is issued for each component model, then, please refer to it.

COMPONENT MODEL NAME FOR FH-404

	AEP West Germany Italian	UK
TUNER, DECK AMPLIFIER	HST-404	HST-404
SPEAKER SYSTEM	APM-404A	——

Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

ACCESSORY & PACKING MATERIAL

Part No.	Description
⚠ 1-555-234-00	(AEP, WG, IT)....CORD POWER
⚠ 1-558-032-11	(UK)....CORD POWER
3-769-928-11	(AEP, UK)....MANUAL, INSTRUCTION
3-769-928-41	(AEP, WG, IT)....MANUAL, INSTRUCTION
3-795-948-42	(UK)....CARD, GALANTY
*4-922-794-01	CUSHION UPPER (HST-404)
*4-922-795-01	CUSHION LOWER (HST-404)
*4-922-769-01	(AEP, WG, IT)....INDIVIDUAL CARTON
*4-922-771-01	(UK)....INDIVIDUAL, CARTON

IT: Italian
WG: West Germany

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

MICROFILM

SPECIFICATIONS

Power requirements
UK model: 240V AC, 50Hz
AEP, WG, IT model: 220V AC, 50/60Hz

Power consumption
140 watts (for UK model)
65 watts (for AEP, WG, IT model)

Dimensions: Approx. 590 × 290 × 260 mm (w/h/d) (23¼ × 11½ × 10¼ inches) incl. projecting parts and controls.

Weight: Approx. 11.4 kg (25 lb 2 oz) net
UK model(without CDP-17F): Approx. 5 kg (11 lb) net

Accessories supplied
AC power cord (1)
Carrying handle (1)
Mounting brackets (2)
Mounting screws (8)
Speaker cushion (4)

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

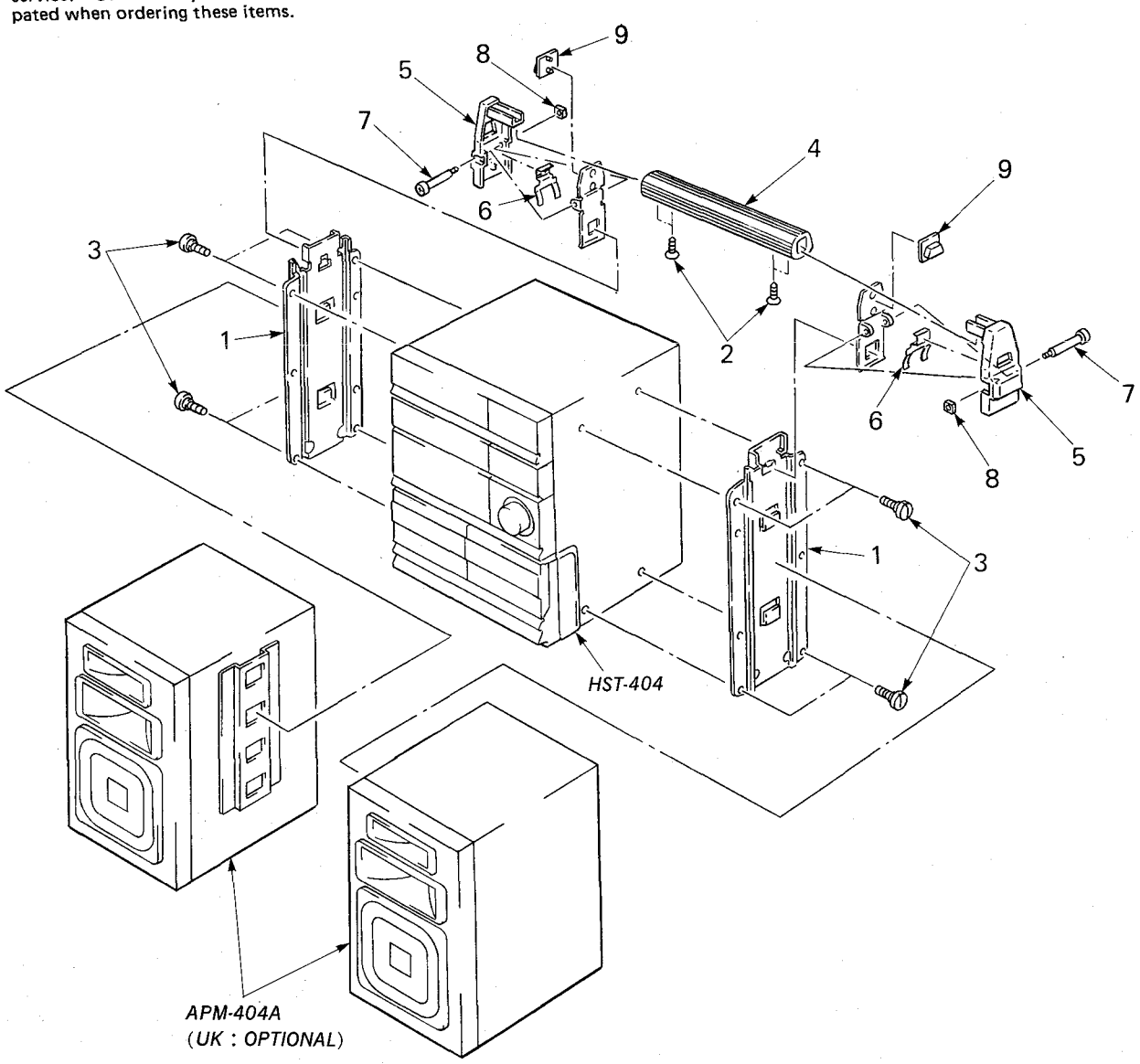
COMPACT HI-DENSITY COMPONENT SYSTEM

SONY®

EXPLODED VIEW

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ Cabinet's Color ↑ Parts Color



No.	Part No.	Description	Remark
1	4-920-120-01	PLATE (A) SIDE	
2	7-685-247-19	SCREW +KTP 3X10 TYPE2 SLIT	
3	X-4919-660-1	SCREW ASSY, SIDE PLATE	
4	2-249-402-21	HANDLE	
5	4-910-361-11	HOLDER, HANDLE	
6	4-902-942-03	SPRING, LEAF	
7	4-884-805-21	SHAFT	
8	4-884-081-11	NUT, PLATE	
9	4-884-803-12	PUSH, BUTTOW	

9-953-185-21

Sony Corporation
Audio Group

English
88C0455-1
Printed in Japan
© 1988. 3
Published by A/V Engineering Service Dept.

HST-404

SERVICE MANUAL

AEP Model
UK Model

This set is the tuner, deck and amplifer section in FH-404.

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol ⧈ are trademarks of Dolby Laboratories Licensing Corporation.

SPECIFICATIONS

Tuner Section

System FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range 87.5 - 108 MHz
Antenna Telescopic antenna
Antenna terminals
75 ohms unbalanced
Intermediate frequency
10.7 MHz
Usable sensitivity 3.0 μV (S/N = 30 dB/75 ohms)

MW/LW tuner section

		MW	LW
Tuning range	Italian model	522 – 1611 kHz	144 – 288 kHz
	Others	531 – 1602 kHz	153 – 281 kHz
Antenna		Built-in ferrite bar antenna, External antenna terminal	
Intermediate frequency		450 kHz	
Usable sensitivity (S/N 20dB)	built-in antenna	250 μV/m (999 kHz)	500 μV/m (230 kHz)
	external antenna	100 μV (999 kHz)	150 μV (230 kHz)

Cassette Deck Section

Recording system 4-track 2-channel stereo
Frequency response
DOLBY NR OFF (DIN)

TYPE II cassette (Sony UCX)	60 - 14,000 Hz (±3 dB)
TYPE I cassette (Sony HF-S)	60 - 13,000 Hz (±3 dB)

Wow and flutter 0.1% WRMS
±0.3% (DIN)

Model Name Using Similar Mechanism	DXA-209W
Tape Transport Mechanism Type	DECK A: TCM-YM47CW-56 DECK B: TCM-YM47CW-57

Amplifier Section

Continuous RMS power output
25 + 25 watts (4 ohms, at 1kHz, 5% THD)
Peak music power output
240 watts (4 ohms)
DC operation with the EBP-88 (optional)
3.5 W + 3.5 W (1 kHz, 5% THD)

Inputs

	Sensitivity	Impedance
PHONO (phono jacks)	2.5 mV	50 kilohms
CD/AUX (phono jacks)	450 mV	50 kilohms
MIC (minijack)	1 mV	600 ohms

Outputs

HEADPHONES (stereo minijack)	Accepts headphones of 8 ohms or more
SPEAKER	Accepts speakers of 4 to 16 ohms

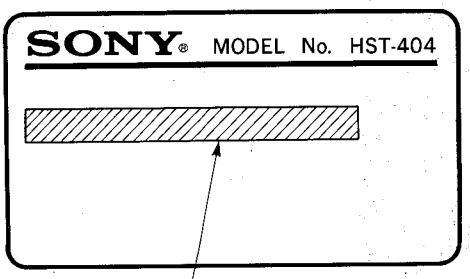
MICROFILM

COMPACT HI-DENSITY COMPONENT SYSTEM

SONY

MODEL IDENTIFICATION

—Specification Label—



AEP MODEL: AC: 220 V~50~60 Hz 65W
UK MODEL: AC: 240 V~50 Hz 140W
WG, IT MODEL: AC: 220 V~50 Hz 65W

WG: West Germany
IT : Italian

SAFETY-RELATED COMPONENT WARNING!!

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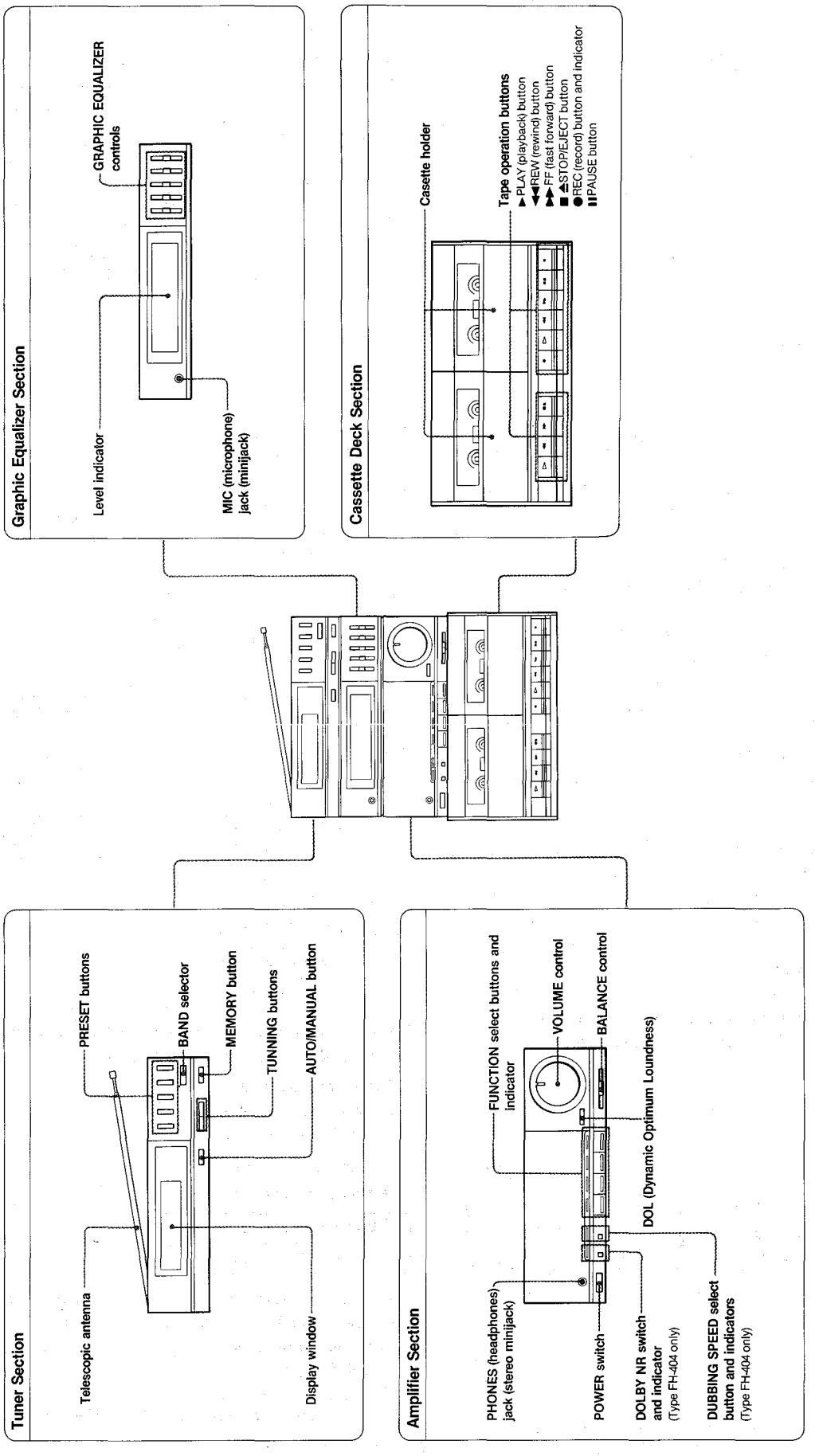
TABLE OF CONTENS

Section	*Title*	*Page*
SECTION 1	**GENERAL**	
1-1.	Parts Identification	3
SECTION 2	**MECHANICAL ADJUSTMENTS**	4
SECTION 3	**ELECTRICAL ADJUSTMENTS**	4
SECTION 4	**DIAGRAMS**	
4-1.	Semiconductor Lead Layouts	8
4-2.	Printed Wiring Boards	9
4-3.	Schematic Diagram —Tuner Section—	13
4-4.	Schematic Diagram —Deck Section—	15
4-5.	Schematic Diagram —Audio/Power Section—	17
SECTION 5	**EXPLODED VIEWS**	
5-1.	Front Panel, Case Section	19
5-2.	Chassis Section	20
5-3.	Mechanis Deck Section	21
SECTION 6	**ELECTRICAL PARTS LIST**	22

SECTION 1
GENERAL

1-1. PARTS IDENTIFICATION



SECTION 2
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:
   record/playback heads — pinch rollers
   erase heads — rubber belts
   capstan — idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

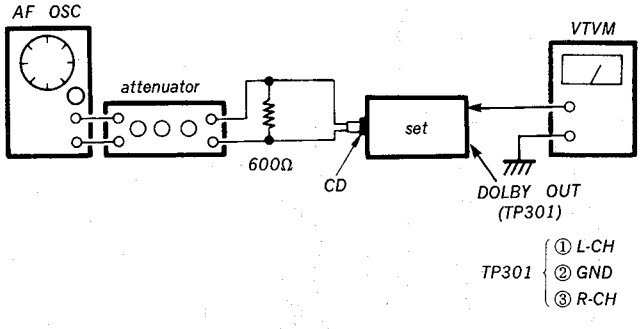
Torque	Torquement	Meter reading
FWD	CQ-102C	30−70g•cm (0.42−0.97oz•inch)
FWD Back tension	CQ-102C	1.5−5.5g•cm (0.020−0.076oz•inch)
FF, REW	CQ-201B	63g•cm or more (0.87oz•inch or more)

SECTION 3
ELECTRICAL ADJUSTMENTS

1. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjusted.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-CH.

- Switches and controls should be set as follows unless otherwise specified.
  DOLBY NR switch: OFF
  GEQ RV: CENTER
  ISS switch: 1
  FUNCTION: CD
- Standard Record:
  Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

Mode: record



Standard Input Level

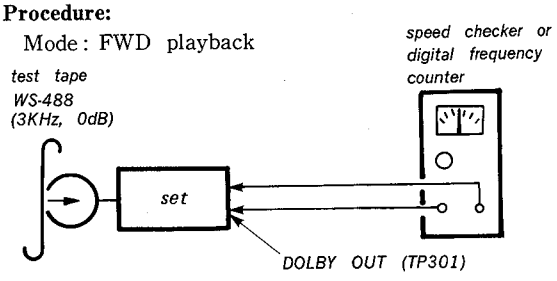
	AUX/CD
source impedance	600Ω
input level	0.46V (−4.6dB)

Standard Output Level

	DOLBY OUT
load impedance	—
output level	0.4V (−5.7dB)

Tape Speed Adjustment

Procedure:
Mode: FWD playback



1. Short TP401 with a lead wire.

Specification: high speed

Digital frequency counter
5,950Hz−6,010Hz

Frequency difference between the beginning and the end of the tape should be within 0.25% (15Hz).

Adjustment Location:
DECK-A side RV451
DECK-B side RV453

2. Remove the wire in step 1.

Specification: normal speed

Digital frequency counter
2,970Hz−2,990Hz

Frequency difference between the beginning and the end of the tape should be within 0.25% (15Hz).

Adjustment Location:
DECK-A side RV452
DECK-B side RV454

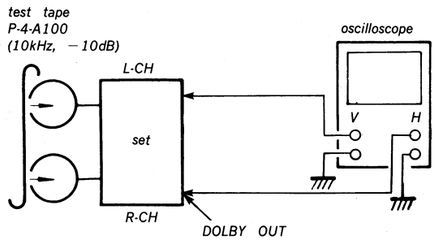
3. If the specifications are not satisfied, repeat steps 1 and 2.

Record/Playback Head Azimuth Adjustment

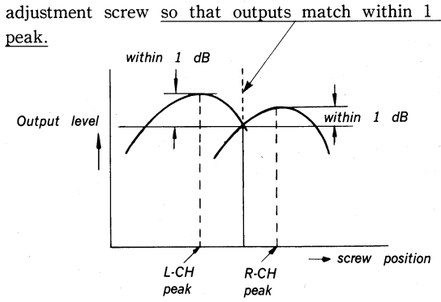
Note: Perform this adjustments for both decks.

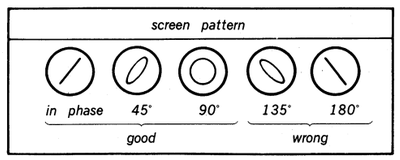
Procedure:

1. Mode: FWD playback



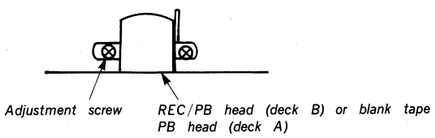
2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1 dB of peak.





3. After the adjustments, apply suitable locking compound to the parts adjusted.

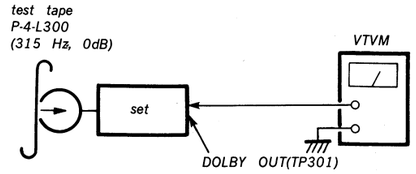
Adjustment Location:



Playback Level Adjustment

Procedure:

Mode: FWD playback



Adjust,

DECK-A side RV302 (L-CH), RV402 (R-CH)

DECK-B side RV301 (L-CH), RV401 (R-CH)

so that the specifications are satisfied.

Specification:

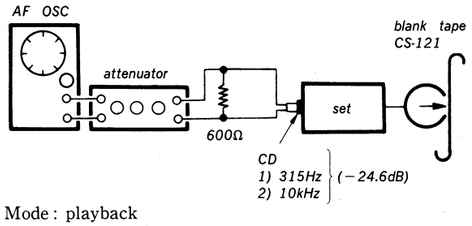
LINE OUT level: 0.38 to 0.42V
(−6.2 to −5.2dB)

level difference between the channels: within 1.0dB

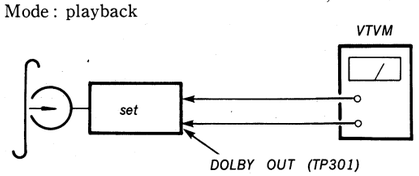
Record BIAS Current Adjustment

Procedure:

1. Mode: record



2. Mode: playback



Play back the recorded in step 1. If the specification is not satisfied, adjust RV304 (L-CH), RV404, (R-CH) and repeat steps 1 and 2.

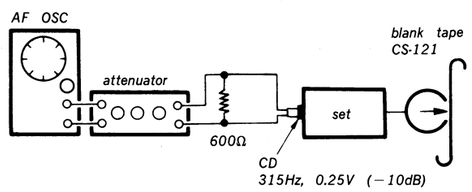
Specification:

The DOLBY OUT level of 10 kHz signal relative to that of 315 Hz: −1 to 1dB

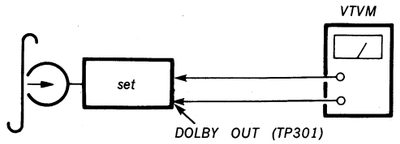
Record Level Adjustment

Procedure:

1. Mode: record



2. Mode: playback



Play back the recorded in step 1. If the specification is not satisfied, adjust RV303 (L-CH), RV403 (R-CH) and repeat steps 1 and 2.

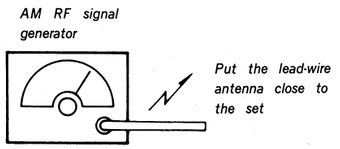
Specification:

DOLBY OUT level: 0.45 to 0.36V (−4.7 to −6.7dB)

AM SECTION

Setting:

BAND selector switch: MW or LW



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

LW OSC Voltage Adjustment

Procedure:

1. Connect the VOM to FE001 ④ pin (VT).
2. Set BAND selector switch to LW.
3. Push TUNING (+, −) button for 153(144)kHz. Adjust L002 for 1.4 to 1.6(0.9 to 1.1)V reading on the VOM.
4. Push the button for 281(288)kHz. Adjust CT002 for 6.7 to 7.3(7.4 to 8.0)V reading on the VOM.

( ): Italian MODEL

LW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
270 kHz	162 kHz
CT001	L001

MW Tuned Indication Lighting Level Adjustment

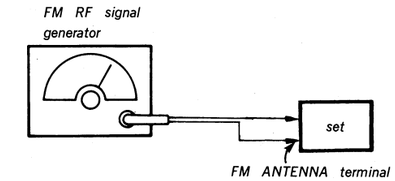
BAND select switch: MW

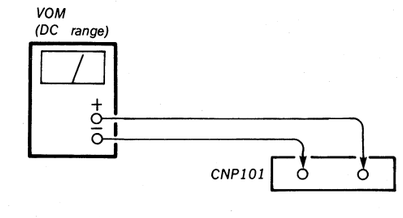
1. Output 0.7 mV (57 dB), 1,000 kHz from AM RF signal generator.
2. Adjust RT102 so that the LED lights up.

FM SECTION

FM Discriminator Alignment (NULL Check)

Setting:





Procedure:

1. Push the TUNING (+, −) button for 98MHz.
2. Adjust IFT101 for 0V reading on the VOM.

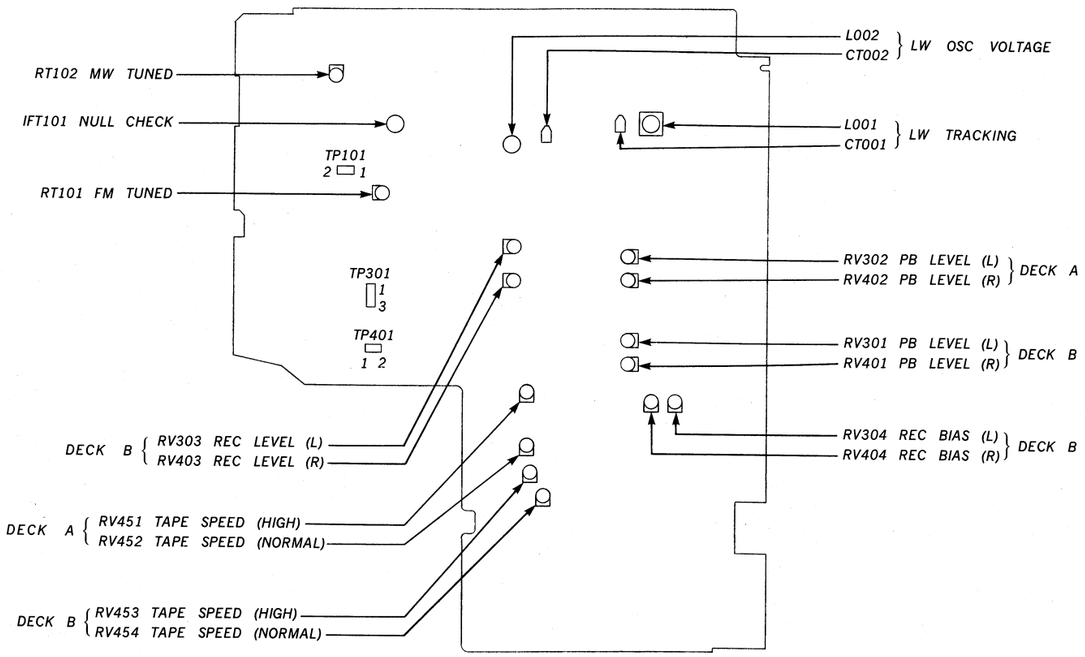
Note: FM tuned indication lighting level adjustment should be made after FM discriminator alignment.

FM Tuned Indication Lighting Level Adjustment

BAND select switch: FM

1. Output 22μV(27 dB), 98 MHz from FM RF signal generator.
2. Adjust RT101 so that the LED lights up.

【MAIN BOARD】(COMPONENT SIDE)



SECTION 4
DIAGRAMS

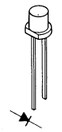
4-1. SEMICONDUCTOR LEAD LAYOUTS

BA328

NJM7809K

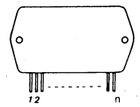
2SK246-GR3

SEL2213C

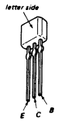


BA3308
IR2E31A

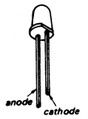
STK4311



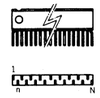
BN1A4M
BN1L4M



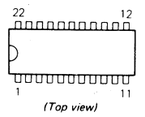
SEL2710W



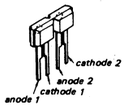
BA3406AL



TC9171P

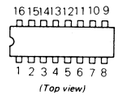


KV1236Z

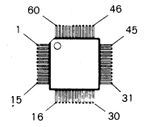


SEL2813A-C

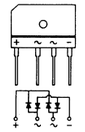
CXA1101P
CXA1198AP
M5226P
TC4052BP



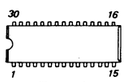
TC9306F-030



RBV-402-01

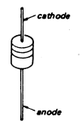


CXA1269S

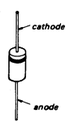


2SA1497
2SA1511
2SC634SP
2SC2724-C
2SC3399
2SC3402
2SC3901

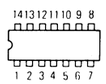
RD2.7ES-B2



20E2H
US1060M



M4001BP



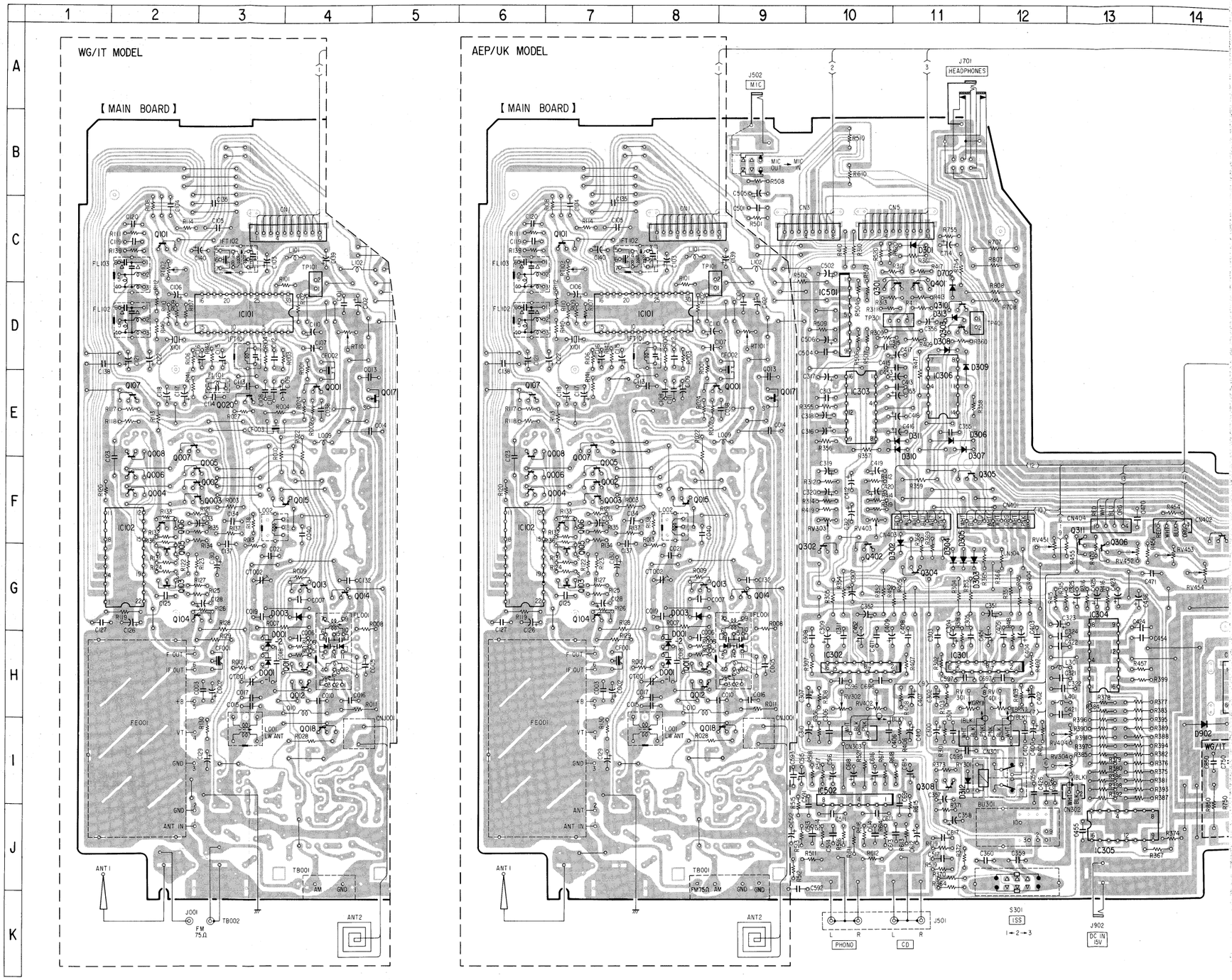
2SD1387

• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D001(AEP/UK)	H-8	IC302	H-10	Q305	J-13
D001(WG/IT)	H-3	IC303	E-10	Q306	F-13
D003(AEP/UK)	G-8	IC304	G-13	Q307	G-14
D003(WB/IT)	G-4	IC305	J-13	Q308	I-11
D201	F-27	IC306	E-11	Q309	F-14
D202	G-27	IC501	D-10	Q310	D-11
D203	E-27	IC502	I-10	Q311	F-13
D204	E-27	IC503	H-26	Q401	C-11
D205	E-27	IC504	H-27	Q402	F-10
D206	E-27	IC603	H-27	Q501	I-28
D207	E-27	IC604	H-29	Q502	K-24
D208	E-27	IC701	E-20	Q503	K-25
D209	F-27	IC901	J-15	Q504	I-29
D210	F-27	IC902	I-15	Q601	I-28
D211	E-27			Q602	J-26
D214	F-28	Q001(AEP/UK)	E-8	Q603	J-26
D215	F-28	Q001(WG/IT)	E-4		
D216	F-28	Q002(AEP/UK)	F-7		
D301	C-11	Q002(WG/IT)	F-2		
D302	F-11	Q003(AEP/UK)	F-7		
D303	G-11	Q003(WG/IT)	F-2		
D305	G-11	Q004(AEP/UK)	F-6		
D306	E-11	004(WG/IT)	F-2		
D307	E-11	Q005(AEP/UK)	F-7		
D308	D-11	Q005(WG/IT)	F-2		
D309	D-11	Q006(AEP/UK)	F-6		
D310	E-11	Q006(WG/IT)	F-2		
D311	E-11	Q007(AEP/UK)	E-7		
D312	I-11	Q007(WG/IT)	E-2		
D313	D-11	Q008(AEP/UK)	E-6		
D351	J-30	Q008(WG/IT)	E-2		
D352	J-30	Q011(AEP/UK)	H-8		
D501	J-27	Q011(WG/IT)	H-4		
D502	J-28	Q012(AEP/UK)	H-8		
D503	J-28	Q012(WG/IT)	H-4		
D504	J-29	Q013(AEP/UK)	G-7		
D505	G-30	Q013(WG/IT)	G-2		
D506	G-30	Q014(AEP/UK)	G-9		
D507	G-30	Q014(WG/IT)	G-4		
D508	J-26	Q015(AEP/UK)	F-8		
D510	I-29	Q015(WG/IT)	F-3		
D511	I-29	Q017(AEP/UK)	E-9		
D551	G-29	Q017(WG/IT)	E-5		
D552	G-29	Q018(AEP/UK)	I-8		
D553	G-28	Q018(WG/IT)	I-4		
D554	G-28	Q020	E-3		
D555	G-29	Q101(AEP/UK)	C-7		
D651	G-29	Q101(WG/IT)	C-2		
D652	G-29	Q103(AEP/UK)	G-7		
D653	G-28	Q103(WG/IT)	G-2		
D654	G-28	Q104(AEP/UK)	G-7		
D655	G-27	Q104(WG/IT)	G-2		
D701	F-19	Q105(AEP/UK)	G-7		
D702	C-11	Q105(WG/IT)	G-2		
D901	H-20	Q106(AEP/UK)	F-7		
D902	I-14	Q106(WG/IT)	F-2		
		Q107(AEP/UK)	E-6		
IC101(AEP/UK)	D-8	Q107(WG/IT)	E-2		
IC101(WG/IT)	D-3	Q201	G-27		
IC102(AEP/UK)	F-2	Q301	C-10		
IC102(WG/IT)	F-6	Q302	F-10		
IC201	F-29	Q303	D-11		
IC301	H-11	Q304	G-11		

4-2. PRINTED WIRING BOARDS

• Refer to page 8 for Semiconductor Lead Layouts



13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

DECK A

DECK B

【POWER BOARD】

【FUSE BOARD】

【TRANSFORMER BOARD】

【LAMP BOARD】

【CONTROL BOARD】

LCD1

AEP/UK/WG MODEL

WG/IT MODEL

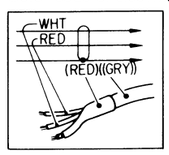
UK MODEL

AEP/WG/IT MODEL

IT MODEL

Note:

- Color code or sleeving over the end of the jacket.

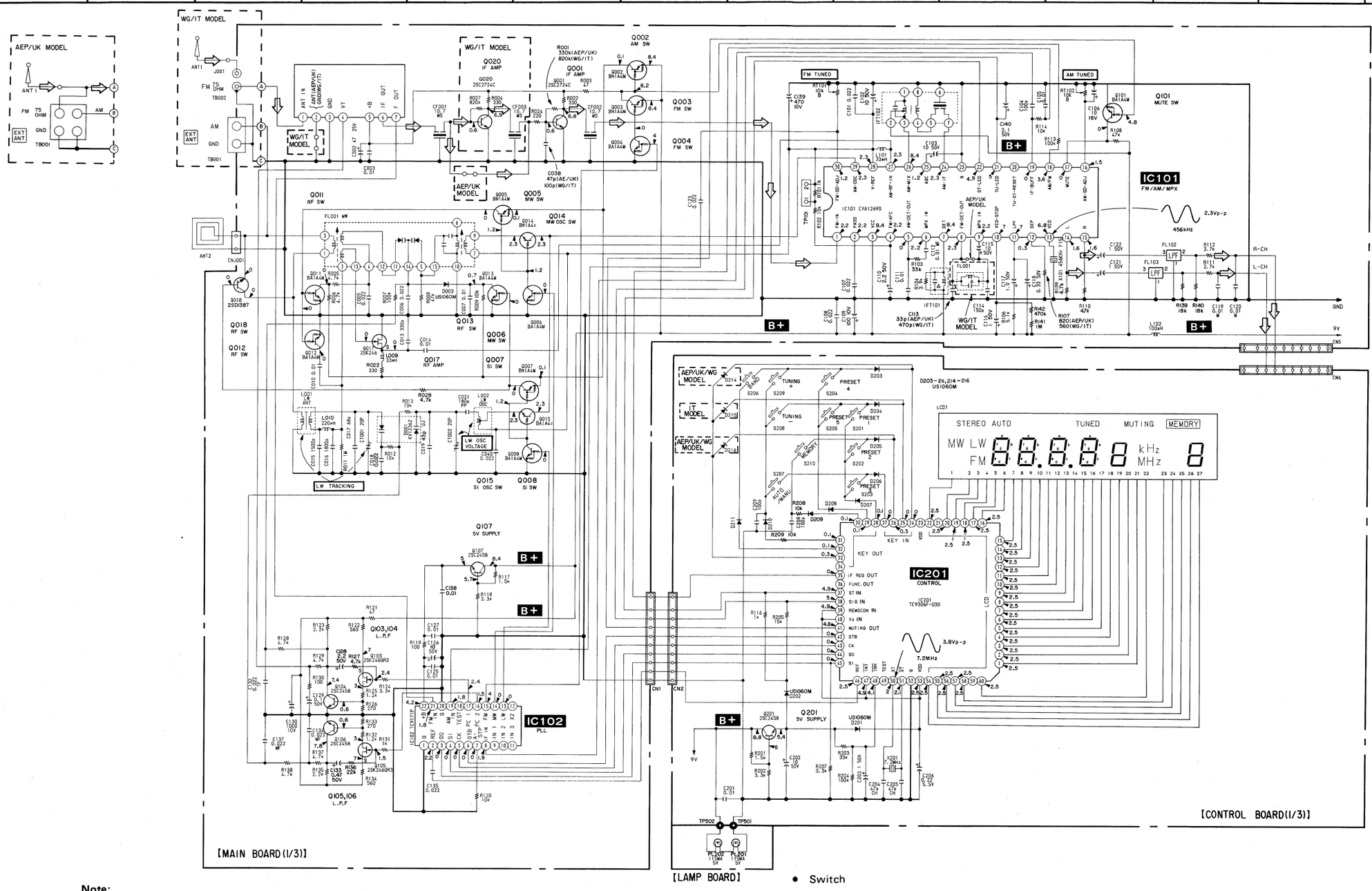


- ○—— : parts extracted from the component side.
- ⊡ indicates side identified with part number.

IT : Italian
WG: West Germany

4-3. SCHEMATIC DIAGRAM —TUNER SECTION—

• Refer to page 16 for IC BLOCK DIAGRAMS



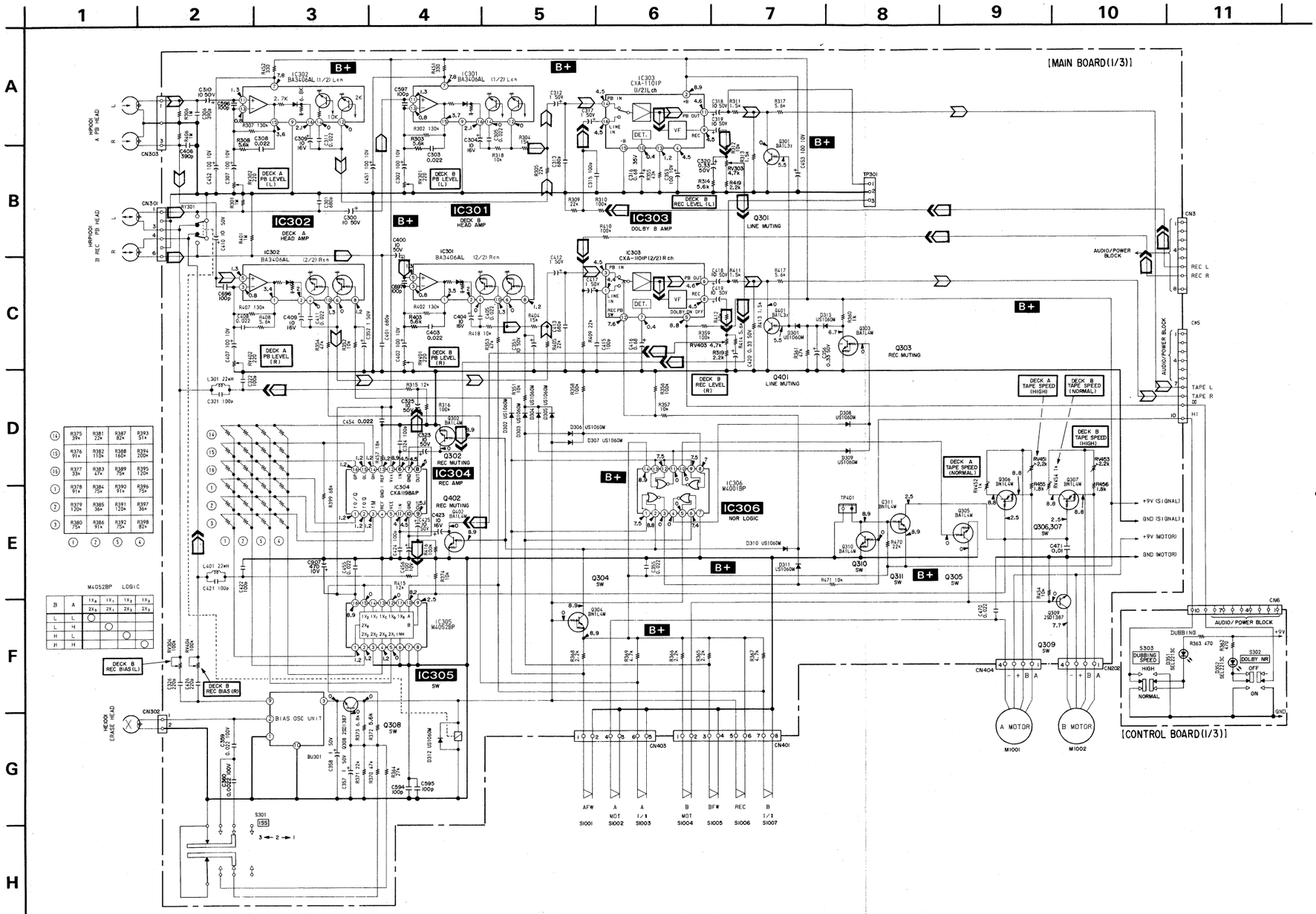
Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- ▭ : adjustment for repair.
- Signal path.
  ⇨ : FM
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (50 kΩ/V). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- IT : Italian
- WG: West Germany

• Switch

Ref. No.	Switch	Position
S201	PRESET1	OFF
S202	PRESET2	OFF
S203	PRESET3	OFF
S204	PRESET4	OFF
S205	PRESET5	OFF
S206	BAND	OFF
S207	AUTO/MANUAL	OFF
S208	TUNING−	OFF
S209	TUNING+	OFF
S210	MEMORY	OFF

4-4. SCHEMATIC DIAGRAM —DECK SECTION—



Note:

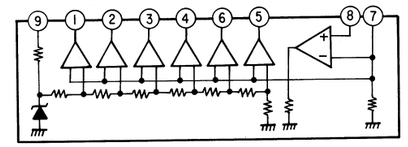
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- ▭ : adjustment for repair.
- Signal path.
  - ⇨ : FM
  - ⇨ : PB (DECK A)
  - ⇨ : PB (DECK B)
  - ⇨ : REC (DECK B)
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (50 kΩ/V). Voltage variations may be noted due to normal production tolerances.

- Switch

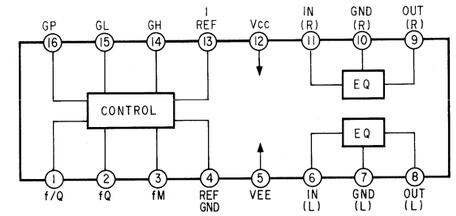
Ref. No.	Switch	Position
S301	ISS	2
S302	DOLBY NR	OFF
S303	DUBBING SPEED	NORMAL
S1001	A FORWORD	OFF
S1002	A MOTOR	OFF
S1003	A I/II	OFF
S1004	B MOTOR	OFF
S1005	B FORWORD	OFF
S1006	B REC	OFF
S1007	B I/II	OFF

• IC BLOCK DIAGRAMS

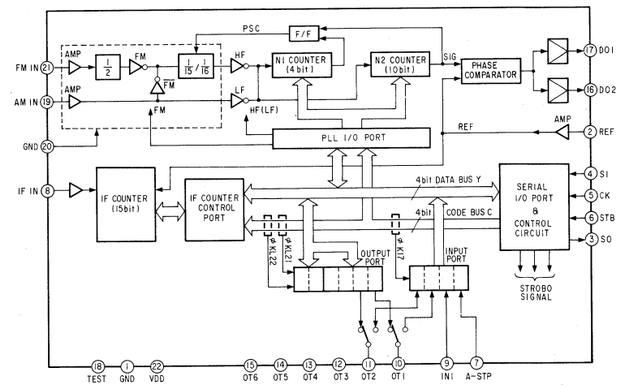
• IC504, 604 IR2E31



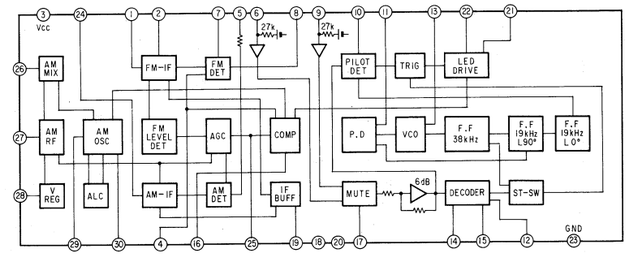
• IC304 CXA1198AP



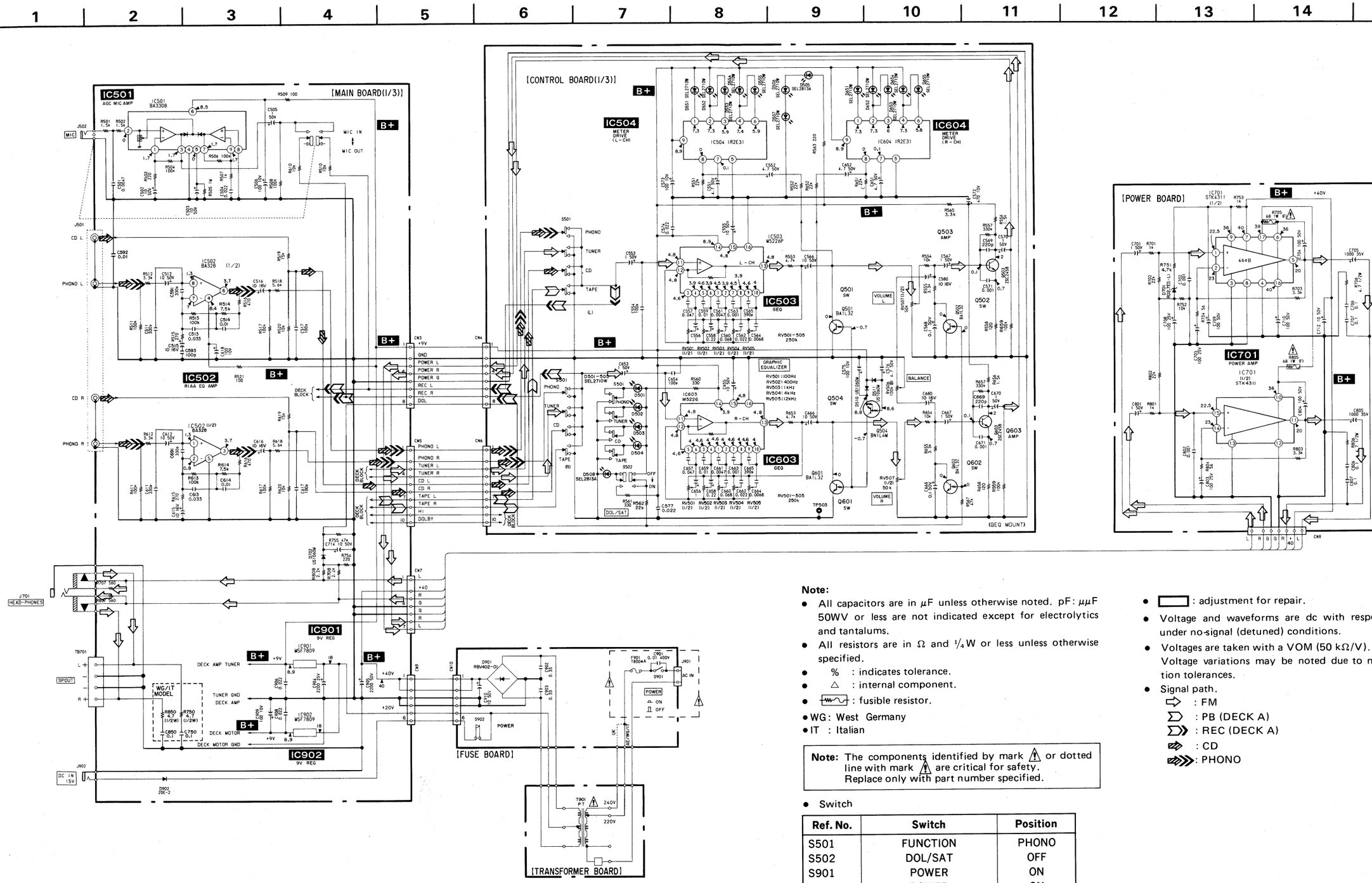
• IC202 TC9171P



• IC101 CXA1269S



4-5. SCHEMATIC DIAGRAY —AUDIO/POWER SECTION—



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- ▭ : fusible resistor.
- WG: West Germany
- IT : Italian

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

- Switch

Ref. No.	Switch	Position
S501	FUNCTION	PHONO
S502	DOL/SAT	OFF
S901	POWER	ON
S902	POWER	ON

- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (50 kΩ/V). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  - ⇨ : FM
  - Σ : PB (DECK A)
  - Σ» : REC (DECK A)
  - ⇨ : CD
  - ⇨»: PHONO

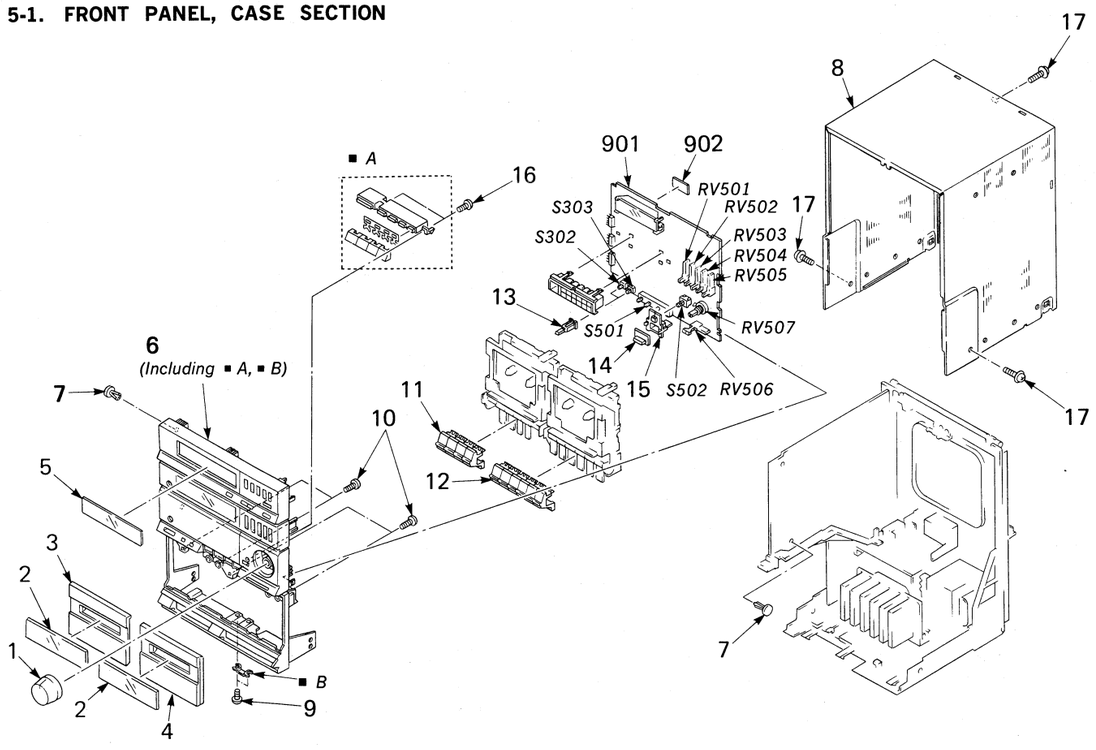
SECTION 5
EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ ↑
  Cabinet's Color Parts Color

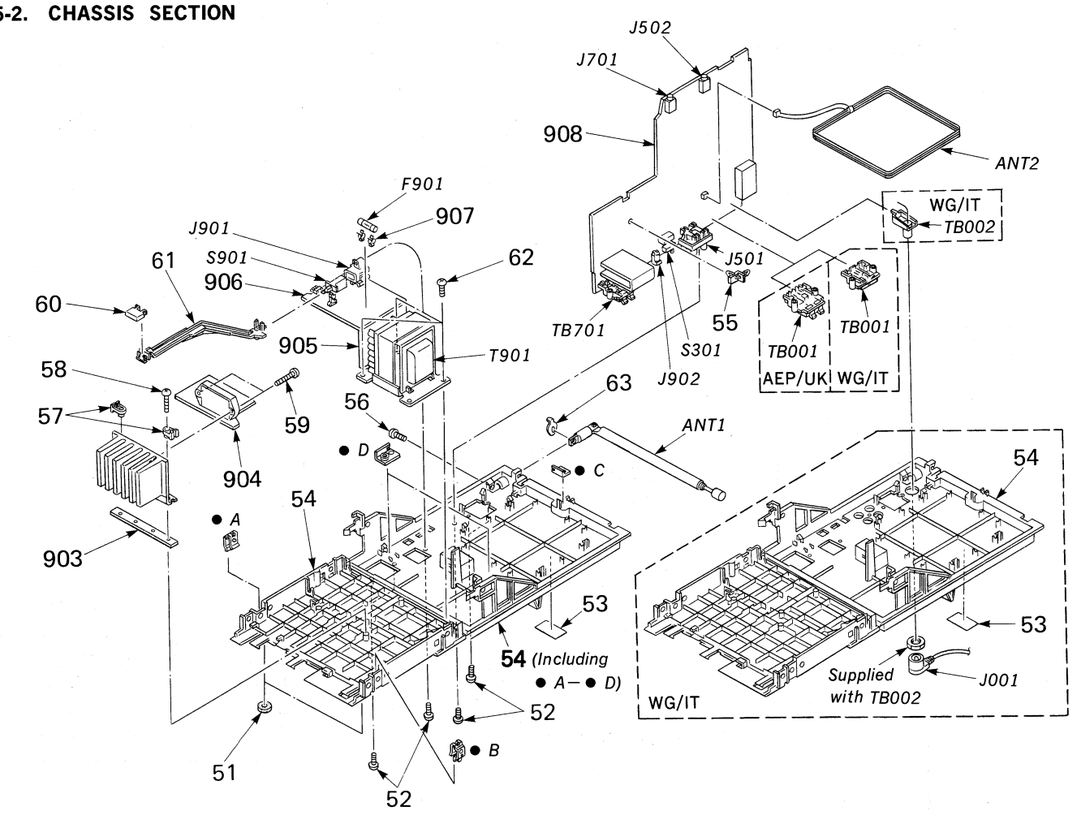
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

5-1. FRONT PANEL, CASE SECTION



No.	Part No.	Description	Remarks
1	4-922-790-11	KNOB (VOLUME)	
2	3-340-152-01	WINDOW (CASSETTE)	
3	3-340-153-12	LID (A), CASSETTE	
4	3-340-154-12	LID (B), CASSETTE	
5	4-925-535-11	PLATE (ST), ORNAMENTAL	
6	X-4919-661-1	PANEL ASSY, FRONT	
7	4-829-039-00	RIVET, NYLON	
8	4-925-545-01	CASE (W)	
9	7-682-147-01	SCREW +BVTT 3X6 (S)	
10	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S	
11	3-340-155-11	BUTTON (A)	
12	3-340-156-11	BUTTON (B)	
13	4-925-526-01	BUTTON (DOLBY)	
14	4-925-533-01	BUTTON (DOL)	
15	*4-925-540-01	JOINT (DOL)	
16	7-685-535-19	SCREW +BTP 2.6X10 TYPE2 N-S	
17	4-886-821-51	SCREW, CASE, (M3X14)	
901	*A-4375-374-A	(AEP,UK)...MOUNTED PCB, CONTROL	
	*A-4375-375-A	(WG).....MOUNTED PCB, CONTROL	
	*A-4375-376-A	(IT).....MOUNTED PCB, CONTROL	
902	*1-626-350-11	PC BOARD, LAMP	

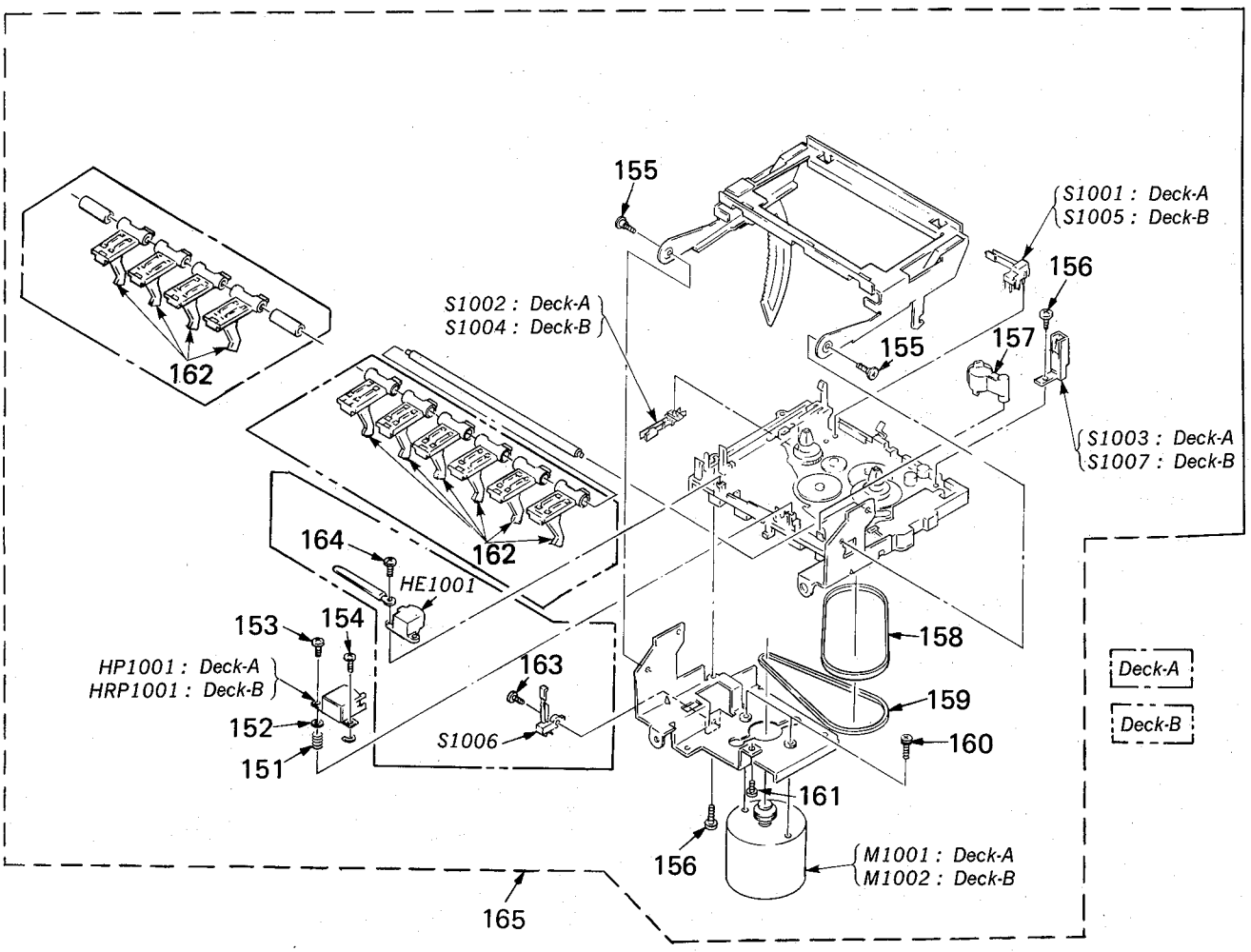
5-2. CHASSIS SECTION



Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

No.	Part No.	Description	Remarks
51	*2-270-698-00	CUSHION, FOOT	
52	7-685-646-79	SCREW, TAPPING	
53	*4-922-744-01	(AEP 1).....LABEL, MODEL NUMBER	
	*4-922-744-11	(AEP 2).....LABEL, MODEL NUMBER	
	*4-922-745-01	(West Germany)...LABEL, MODEL NUMBER	
	*4-922-746-01	(UK).....LABEL, MODEL NUMBER	
	*4-922-788-01	(IT).....LABEL, MODEL NUMBER	
54	*4-922-792-21	(West Germany,IT)...CHASSIS	
	*4-922-792-11	(AEP,UK).....CHASSIS	
55	*4-922-413-01	HOLDER, PC BOARD	
56	7-682-549-09	SCREW +B 3X10	
57	*4-925-538-01	BUSHING	
58	4-904-878-01	SCREW +BVTP 3X16	
59	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3	
60	4-914-396-71	BUTTON (POWER)	
61	*4-925-537-01	ROD	
62	7-685-647-11	SCREW +BVTP 3X10	
63	*4-925-530-01	PLATE, GROUND	
903	*1-626-347-11	PC BOARD, HEAT SINK	
904	*1-626-346-11	PC BOARD, POWER	
905	*1-626-345-11	PC BOARD, TRANSFORMER	
906	*1-626-344-11	PC BOARD, FUSE	
907	1-533-183-11	HOLDER, FUSE	
908	*A-4388-733-A	(AEP,UK).....MOUNTED PCB, MAIN	
	*A-4388-734-A	(West Germany,IT)...MOUNTED PCB, MAIN	
ANT1	1-501-270-00	ANTENNA, TELESCOPIC	
ANT2	1-402-373-11	ANTENNA, LOOP	
F901 ⚠	1-532-215-00	FUSE, TIME-LAG	
T901 ⚠	1-449-250-11	TRANSFORMER, POWER	

5-3. MECHANISM DECK SECTION
(DECK A : TCM-YM47CW-56
DECK B : TCM-YM47CW-57)



No.	Part No.	Description	Remarks
151	4-894-955-01	C SPRING	
152	3-390-823-01	WASHER, F	
153	7-621-255-55	SCREW, TOTSU P 2X8	
154	7-621-255-15	SCREW +P 2X3	
155	3-392-121-01	SCREW, STEP	
156	7-685-133-19	SCREW +P 2.6X6 TYPE1	
157	3-390-805-01	ROLLER ASSY, PINCH	
158	3-390-807-01	BELT	
159	3-390-816-01	BELT, SQUARE	
160	7-628-253-90	SCREW +PS 2.6X4	
161	7-682-147-01	SCREW +PTT 3X6 (S)	
162	4-894-971-01	BUTTON LEVER	
163	3-392-102-01	(DECK B)...SCREW, D PAN	
164	7-685-782-01	(DECK B)...SCREW +PTT 2X5 (S)	

No.	Part No.	Description	Remarks
165	A-2100-451-A	(DECK B)...MD ASSY (TCM-YM47CW-57)	
	A-2100-450-A	(DECK A)...MD ASSY (TCM-YM47CW-56)	
HE1001	1-543-261-11	(DECK B)...HEAD, ERASE (886-01-24)	
HP1001	1-543-424-11	(DECK A)...HEAD, MAGNETIC (PB)	
HRP1001	1-543-424-11	(DECK B)...HEAD, MAGNETIC (REC/PB)	
M1001	X-3390-801-1	(DECK A)...MOTOR ASSY	
M1002	X-3390-801-1	(DECK B)...MOTOR ASSY	
S1001	1-570-716-11	(DECK A)...SWITCH, LEAF (FWD)	
S1002	1-570-715-11	(DECK A)...SWITCH, LEAF (MOTOR)	
S1003	1-571-036-11	(DECK A)...SWITCH, LEAF (TAPE SELECT)	
S1004	1-570-715-11	(DECK B)...SWITCH, LEAF (MOTOR)	
S1005	1-570-716-11	(DECK B)...SWITCH, LEAF (FWD)	
S1006	1-571-260-11	(DECK B)...SWITCH, LEAF (REC)	
S1007	1-571-036-11	(DECK B)...SWITCH, LEAF (TAPE SELECT)	

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description
901	*A-4375-374-A	(AEP,UK)...MOUNTED PCB, CONTROL
	*A-4375-375-A	(WG).....MOUNTED PCB, CONTROL
	*A-4375-376-A	(IT).....MOUNTED PCB, CONTROL
902	*1-626-350-11	PC BOARD, LAMP
903	*1-626-347-11	PC BOARD, HEAT SINK
904	*1-626-346-11	PC BOARD, POWER
905	*1-626-345-11	PC BOARD, TRANSFORMER
906	*1-626-344-11	PC BOARD, FUSE
907	1-533-183-11	HOLDER, FUSE
908	*A-4388-733-A	(AEP,UK)...MOUNTED PCB, MAIN
	*A-4388-734-A	(WG,IT)....MOUNTED PCB, MAIN
ANT1	1-501-270-00	ANTENNA, TELESCOPIC
ANT2	1-402-373-11	ANTENNA, LOOP
BU301	1-464-797-11	OSCILLATION UNIT, BIAS
C002	1-124-443-00	ELECT 100MF 20% 10V
C003	1-161-379-00	CERAMIC 0.01MF 20% 16V
C005	1-101-005-00	CERAMIC 0.022MF 50V
C006	1-101-005-00	CERAMIC 0.022MF 50V
C007	1-161-379-00	CERAMIC 0.01MF 20% 16V
C010	1-161-379-00	CERAMIC 0.01MF 20% 16V
C013	1-162-288-31	CERAMIC 330PF 10% 50V
C014	1-161-379-00	CERAMIC 0.01MF 20% 16V
C015	1-161-374-11	CERAMIC 0.0015MF 30% 16V
C016	1-102-120-00	CERAMIC 0.0018MF 10% 50V
C017	1-162-219-31	CERAMIC 68PF 5% 50V
C018	1-161-494-00	CERAMIC 0.022MF 30% 25V
C019	1-102-973-00	CERAMIC 100PF 5% 50V
C021	1-130-047-00	FILM 180PF 5% 50V
C038	1-162-215-11	(AEP/UK)...CERAMIC 47PF 10% 50V
C038	1-162-282-31	(West Germany,IT) ...CERAMIC 100PF 10% 50V
C040	1-101-005-00	CERAMIC 0.022MF 50V
C101	1-101-005-00	CERAMIC 0.022MF 50V
C102	1-123-875-11	ELECT 10MF 20% 50V
C103	1-123-875-11	ELECT 10MF 20% 50V
C104	1-162-282-31	CERAMIC 100PF 10% 50V
C105	1-161-379-00	CERAMIC 0.01MF 20% 16V
C106	1-124-462-00	ELECT 10MF 20% 16V
C107	1-101-005-00	CERAMIC 0.022MF 50V
C108	1-101-005-00	CERAMIC 0.022MF 50V
C109	1-124-443-00	ELECT 100MF 20% 10V
C110	1-124-925-11	ELECT 2.2MF 20% 50V
C111	1-161-379-00	CERAMIC 0.01MF 20% 16V
C112	1-136-153-00	FILM 0.01MF 5% 50V

Ref.No.	Part No.	Description
C113	1-162-211-31	(AEP,UK)...CERAMIC 33PF 5% 50V
C113	1-162-290-31	(West Germany,IT) ...CERAMIC 470PF 10% 50V
C114	1-162-284-31	(West Germany,IT) ...CERAMIC 150PF 10% 50V
C115	1-123-875-11	ELECT 10MF 20% 50V
C116	1-124-499-11	ELECT 1MF 20% 50V
C117	1-124-499-11	ELECT 1MF 20% 50V
C118	1-124-252-00	ELECT 0.33MF 20% 50V
C119	1-136-153-00	FILM 0.01MF 5% 50V
C120	1-136-153-00	FILM 0.01MF 5% 50V
C121	1-124-499-11	ELECT 1MF 20% 50V
C122	1-124-499-11	ELECT 1MF 20% 50V
C123	1-161-494-00	CERAMIC 0.022MF 30% 25V
C125	1-161-379-00	CERAMIC 0.01MF 20% 16V
C126	1-123-875-11	ELECT 10MF 20% 50V
C127	1-161-379-00	CERAMIC 0.01MF 20% 16V
C128	1-124-925-11	ELECT 2.2MF 20% 50V
C129	1-124-463-00	ELECT 0.1MF 20% 50V
C130	1-124-473-11	ELECT 1000MF 20% 10V
C132	1-136-157-00	FILM 0.022MF 5% 50V
C133	1-124-902-00	ELECT 0.47MF 20% 50V
C134	1-136-157-00	FILM 0.022MF 5% 50V
C135	1-161-494-00	CERAMIC 0.022MF 30% 25V
C137	1-136-157-00	FILM 0.022MF 5% 50V
C138	1-161-379-00	CERAMIC 0.01MF 20% 16V
C139	1-124-472-11	ELECT 470MF 20% 10V
C140	1-124-463-00	ELECT 0.1MF 20% 50V
C201	1-161-379-00	CERAMIC 0.01MF 20% 16V
C202	1-123-875-11	ELECT 10MF 20% 50V
C203	1-124-499-11	ELECT 1MF 20% 50V
C204	1-101-880-00	CERAMIC 47PF 5% 50V
C205	1-101-880-00	CERAMIC 47PF 5% 50V
C206	1-125-486-11	DOUBLE LAYERS 0.22F 5.5V
C208	1-162-282-31	CERAMIC 100PF 10% 50V
C209	1-162-282-31	CERAMIC 100PF 10% 50V
C300	1-123-875-11	ELECT 10MF 20% 50V
C301	1-162-292-31	CERAMIC 680PF 10% 50V
C302	1-124-443-00	ELECT 100MF 20% 10V
C303	1-136-157-00	FILM 0.022MF 5% 50V
C304	1-124-462-00	ELECT 10MF 20% 16V
C305	1-136-157-00	FILM 0.022MF 5% 50V
C306	1-162-289-31	CERAMIC 390PF 10% 50V
C307	1-124-443-00	ELECT 100MF 20% 10V
C308	1-136-157-00	FILM 0.022MF 5% 50V
C309	1-124-462-00	ELECT 10MF 20% 16V

Ref.No.	Part No.	Description			
C310	1-123-875-11	ELECT	10MF	20%	50V
C311	1-136-157-00	FILM	0.022MF	5%	50V
C312	1-124-499-11	ELECT	1MF	20%	50V
C313	1-162-292-31	CERAMIC	680PF	10%	50V
C315	1-162-282-31	CERAMIC	100PF	10%	50V
C316	1-131-346-00	TANTALUM	0.68MF	10%	35V
C317	1-124-499-11	ELECT	1MF	20%	50V
C318	1-123-875-11	ELECT	10MF	20%	50V
C319	1-123-875-11	ELECT	10MF	20%	50V
C320	1-124-252-00	ELECT	0.33MF	20%	50V
C321	1-162-282-31	CERAMIC	100PF	10%	50V
C322	1-162-282-31	CERAMIC	100PF	10%	50V
C323	1-123-875-11	ELECT	10MF	20%	50V
C324	1-162-282-31	CERAMIC	100PF	10%	50V
C325	1-123-875-11	ELECT	10MF	20%	50V
C326	1-162-286-31	CERAMIC	220PF	10%	50V
C351	1-123-875-11	ELECT	10MF	20%	50V
C352	1-123-875-11	ELECT	10MF	20%	50V
C353	1-124-443-00	ELECT	100MF	20%	10V
C355	1-161-494-00	CERAMIC	0.022MF		25V
C356	1-124-252-00	ELECT	0.33MF	20%	50V
C357	1-124-499-11	ELECT	1MF	20%	50V
C358	1-124-499-11	ELECT	1MF	20%	50V
C359	1-106-351-00	MYLAR	0.0022MF	10%	100V
C360	1-106-351-00	MYLAR	0.0022MF	10%	100V
C400	1-123-875-11	ELECT	10MF	20%	50V
C401	1-162-292-31	CERAMIC	680PF	10%	50V
C402	1-124-443-00	ELECT	100MF	20%	10V
C403	1-136-157-00	FILM	0.022MF	5%	50V
C404	1-124-462-00	ELECT	10MF	20%	16V
C405	1-136-157-00	FILM	0.022MF	5%	50V
C406	1-162-289-31	CERAMIC	390PF	10%	50V
C407	1-124-443-00	ELECT	100MF	20%	10V
C408	1-136-157-00	FILM	0.022MF	5%	50V
C409	1-124-462-00	ELECT	10MF	20%	16V
C410	1-123-875-11	ELECT	10MF	20%	50V
C411	1-136-157-00	FILM	0.022MF	5%	50V
C412	1-124-499-11	ELECT	1MF	20%	50V
C413	1-162-292-31	CERAMIC	680PF	10%	50V
C415	1-162-282-31	CERAMIC	100PF	10%	50V
C416	1-131-346-00	TANTALUM	0.68MF	10%	35V
C417	1-124-499-11	ELECT	1MF	20%	50V
C418	1-123-875-11	ELECT	10MF	20%	50V
C419	1-123-875-11	ELECT	10MF	20%	50V
C420	1-124-252-00	ELECT	0.33MF	20%	50V
C421	1-162-282-31	CERAMIC	100PF	10%	50V
C422	1-162-282-31	CERAMIC	100PF	10%	50V
C423	1-124-462-00	ELECT	10MF	20%	16V
C424	1-162-282-31	CERAMIC	100PF	10%	50V
C425	1-124-462-00	ELECT	10MF	20%	16V
C426	1-162-286-31	CERAMIC	220PF	10%	50V
C451	1-124-443-00	ELECT	100MF	20%	10V
C452	1-124-443-00	ELECT	100MF	20%	10V
C453	1-124-443-00	ELECT	100MF	20%	10V
C454	1-161-494-00	CERAMIC	0.022MF		25V
C455	1-161-494-00	CERAMIC	0.022MF		25V
C456	1-124-443-00	ELECT	100MF	20%	10V
C470	1-161-494-00	CERAMIC	0.022MF		25V

Ref.No.	Part No.	Description			
C471	1-161-379-00	CERAMIC	0.01MF	20%	16V
C501	1-161-377-00	CERAMIC	0.0047MF	30%	16V
C502	1-123-875-11	ELECT	10MF	20%	50V
C504	1-161-494-00	CERAMIC	0.022MF		25V
C505	1-124-463-00	ELECT	0.1MF	20%	50V
C506	1-124-443-00	ELECT	100MF	20%	10V
C511	1-162-288-31	CERAMIC	330PF	10%	50V
C512	1-123-875-11	ELECT	10MF	20%	50V
C513	1-136-159-00	FILM	0.033MF	5%	50V
C514	1-136-153-00	FILM	0.01MF	5%	50V
C515	1-124-462-00	ELECT	10MF	20%	16V
C516	1-124-462-00	ELECT	10MF	20%	16V
C517	1-162-282-31	CERAMIC	100PF	10%	50V
C551	1-124-927-11	ELECT	4.7MF	20%	50V
C552	1-124-927-11	ELECT	4.7MF	20%	50V
C553	1-124-499-11	ELECT	1MF	20%	50V
C554	1-162-282-31	CERAMIC	100PF	10%	50V
C555	1-123-875-11	ELECT	10MF	20%	50V
C556	1-124-499-11	ELECT	1MF	20%	50V
C557	1-136-161-00	FILM	0.047MF	5%	50V
C558	1-124-464-11	ELECT	0.22MF	20%	50V
C559	1-161-379-00	CERAMIC	0.01MF	20%	16V
C560	1-136-163-00	FILM	0.068MF	5%	50V
C561	1-161-377-00	CERAMIC	0.0047MF	30%	16V
C562	1-161-494-00	CERAMIC	0.022MF		25V
C563	1-162-294-31	CERAMIC	0.001MF	10%	50V
C564	1-161-329-00	CERAMIC	0.0068MF	30%	16V
C565	1-162-289-31	CERAMIC	390PF	10%	50V
C566	1-123-875-11	ELECT	10MF	20%	50V
C567	1-123-611-00	ELECT	1MF	20%	50V
C568	1-124-463-00	ELECT	0.1MF	20%	50V
C569	1-162-286-31	CERAMIC	220PF	10%	50V
C570	1-124-499-11	ELECT	1MF	20%	50V
C571	1-162-294-31	CERAMIC	0.001MF	10%	50V
C572	1-124-472-11	ELECT	470MF	20%	10V
C573	1-124-443-00	ELECT	100MF	20%	10V
C574	1-161-494-00	CERAMIC	0.022MF		25V
C575	1-124-443-00	ELECT	100MF	20%	10V
C576	1-124-927-11	ELECT	4.7MF	20%	50V
C577	1-161-494-00	CERAMIC	0.022MF		25V
C580	1-124-462-00	ELECT	10MF	20%	16V
C591	1-162-288-31	CERAMIC	330PF	10%	50V
C592	1-161-379-00	CERAMIC	0.01MF	20%	16V
C593	1-162-282-31	CERAMIC	100PF	10%	50V
C594	1-162-282-31	CERAMIC	100PF	10%	50V
C595	1-162-282-31	CERAMIC	100PF	10%	50V
C596	1-162-282-31	CERAMIC	100PF	10%	50V
C597	1-162-282-31	CERAMIC	100PF	10%	50V
C611	1-162-288-31	CERAMIC	330PF	10%	50V
C612	1-123-875-11	ELECT	10MF	20%	50V
C613	1-136-159-00	FILM	0.033MF	5%	50V
C614	1-136-153-00	FILM	0.01MF	5%	50V
C615	1-124-462-00	ELECT	10MF	20%	16V
C616	1-124-462-00	ELECT	10MF	20%	16V
C617	1-162-282-31	CERAMIC	100PF	10%	50V
C618	1-124-443-00	ELECT	100MF	20%	10V
C651	1-124-927-11	ELECT	4.7MF	20%	50V
C652	1-124-927-11	ELECT	4.7MF	20%	50V

Ref.No.	Part No.	Description			
C653	1-124-499-11	ELECT	1MF	20%	50V
C654	1-162-282-31	CERAMIC	100PF	10%	50V
C655	1-123-875-11	ELECT	10MF	20%	50V
C656	1-124-499-11	ELECT	1MF	20%	50V
C657	1-136-161-00	FILM	0.047MF	5%	50V
C658	1-124-464-11	ELECT	0.22MF	20%	50V
C659	1-161-379-00	CERAMIC	0.01MF	20%	16V
C660	1-136-163-00	FILM	0.068MF	5%	50V
C661	1-161-377-00	CERAMIC	0.0047MF	30%	16V
C662	1-161-494-00	CERAMIC	0.022MF		25V
C663	1-162-294-31	CERAMIC	0.001MF	10%	50V
C664	1-161-329-00	CERAMIC	0.0068MF	30%	16V
C665	1-162-289-31	CERAMIC	390PF	10%	50V
C666	1-123-875-11	ELECT	10MF	20%	50V
C667	1-123-611-00	ELECT	1MF	20%	50V
C668	1-124-463-00	ELECT	0.1MF	20%	50V
C669	1-162-286-31	CERAMIC	220PF	10%	50V
C670	1-124-499-11	ELECT	1MF	20%	50V
C671	1-162-294-31	CERAMIC	0.001MF	10%	50V
C680	1-124-462-00	ELECT	10MF	20%	16V
C691	1-162-288-31	CERAMIC	330PF	10%	50V
C696	1-162-282-31	CERAMIC	100PF	10%	50V
C697	1-162-282-31	CERAMIC	100PF	10%	50V
C701	1-124-499-11	ELECT	1MF	20%	50V
C702	1-162-294-31	CERAMIC	0.001MF	10%	50V
C703	1-124-478-11	ELECT	100MF	20%	25V
C704	1-124-122-11	ELECT	100MF	20%	50V
C705	1-126-105-11	ELECT	1000MF	20%	35V
C706	1-136-165-00	FILM	0.1MF	5%	50V
C707	1-136-165-00	FILM	0.1MF	5%	50V
C708	1-124-478-11	ELECT	100MF	20%	25V
C709	1-124-122-11	ELECT	100MF	20%	50V
C710	1-124-122-11	ELECT	100MF	20%	50V
C712	1-123-875-11	ELECT	10MF	20%	50V
C714	1-123-875-11	ELECT	10MF	20%	50V
C750	1-136-165-00	(West Germany,IT) ...FILM	0.1MF	5%	50V
C801	1-124-499-11	ELECT	1MF	20%	50V
C802	1-162-294-31	CERAMIC	0.001MF	10%	50V
C803	1-124-478-11	ELECT	100MF	20%	25V
C804	1-124-122-11	ELECT	100MF	20%	50V
C805	1-126-105-11	ELECT	1000MF	20%	35V
C806	1-136-165-00	FILM	0.1MF	5%	50V
C807	1-136-165-00	FILM	0.1MF	5%	50V
C850	1-136-165-00	(West Germany,IT) ...FILM	0.1MF	5%	50V
C901	⚠1-161-744-00	CERAMIC	0.01MF		400V
C902	1-136-171-00	FILM	0.33MF	5%	50V
C903	1-136-171-00	FILM	0.33MF	5%	50V
C904	1-124-563-11	ELECT	2200MF	20%	25V
C905	1-124-607-11	ELECT	2200MF	20%	50V
C906	1-161-494-00	CERAMIC	0.022MF		25V
C907	1-124-472-11	ELECT	470MF	20%	10V
C908	1-161-494-00	CERAMIC	0.022MF		25V
C909	1-124-443-00	ELECT	100MF	20%	10V
CF001	1-567-389-11	FILTER, CERAMIC			
CF002	1-567-389-11	FILTER, CERAMIC			
CF003	1-567-389-11	(WG,IT)...FILTER, CERAMIC			

Ref.No.	Part No.	Description
CN1	*1-566-926-11	SOCKET, CONNECTOR 10P
CN2	*1-566-924-11	PLUG, CONNECTOR 10P
CN3	*1-566-925-11	SOCKET, CONNECTOR 8P
CN4	*1-566-923-11	PLUG, CONNECTOR 8P
CN5	*1-566-926-11	SOCKET, CONNECTOR 10P
CN6	*1-566-924-11	PLUG, CONNECTOR 10P
CN7	*1-565-343-11	PIN, CONNECTOR (PC BOARD) 7P
CN8	*1-565-346-11	SOCKET, CONNECTOR (PC BAORD)7P
CN9	*1-565-349-11	SOCKET, CONNECTOR 6P
CN10	*1-565-350-11	PLUG, CONNECTOR 6P
CN301	*1-564-509-11	PLUG, CONNECTOR 6P
CN302	*1-564-505-11	PLUG, CONNECTOR 2P
CN303	*1-564-506-11	PLUG, CONNECTOR 3P
CN401	*1-564-511-11	PLUG, CONNECTOR 8P
CN402	*1-564-507-31	PLUG, CONNECTOR 4P
CN403	*1-564-509-11	PLUG, CONNECTOR 6P
CN404	*1-564-507-11	PLUG, CONNECTOR 4P
CNJ001	*1-566-451-11	HOUSING, CONNECTOR 3P
CT001	1-141-362-11	CAP, VAR FILM TRIMMER (20PF)
CT002	1-141-362-11	CAP, VAR FILM TRIMMER (20PF)
D001	8-719-902-79	DIODE KV1236Z
D003	8-719-000-26	DIODE US1060M
D201	8-719-000-26	DIODE US1060M
D202	8-719-000-26	DIODE US1060M
D203	8-719-000-26	DIODE US1060M
D204	8-719-000-26	DIODE US1060M
D205	8-719-000-26	DIODE US1060M
D206	8-719-000-26	DIODE US1060M
D207	8-719-000-26	DIODE US1060M
D208	8-719-000-26	DIODE US1060M
D209	8-719-000-26	DIODE US1060M
D210	8-719-000-26	DIODE US1060M
D211	8-719-000-26	DIODE US1060M
D214	8-719-000-26	(AEP,UK,WG)...DIODE US1060M
D215	8-719-000-26	(IT)...DIODE US1060M
D216	8-719-000-26	(AEP,UK,WG)...DIODE US1060M
D301	8-719-000-26	DIODE US1060M
D302	8-719-000-26	DIODE US1060M
D303	8-719-000-26	DIODE US1060M
D304	8-719-000-26	DIODE US1060M
D305	8-719-000-26	DIODE US1060M
D306	8-719-000-26	DIODE US1060M
D307	8-719-000-26	DIODE US1060M
D308	8-719-000-26	DIODE US1060M
D309	8-719-000-26	DIODE US1060M
D310	8-719-000-26	DIODE US1060M
D311	8-719-000-26	DIODE US1060M
D312	8-719-000-26	DIODE US1060M
D313	8-719-000-26	DIODE US1060M
D351	8-719-300-82	DIODE SEL2213C
D352	8-719-300-82	DIODE SEL2213C
D501	8-719-302-95	DIODE SEL2710W
D502	8-719-302-95	DIODE SEL2710W
D503	8-719-302-95	DIODE SEL2710W
D504	8-719-302-95	DIODE SEL2710W
D505	8-719-301-55	DIODE SEL2813A-C

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Ref.No.	Part No.	Description
D506	8-719-302-95	DIODE SEL2710W
D507	8-719-302-95	DIODE SEL2710W
D508	8-719-301-55	DIODE SEL2813A-C
D510	8-719-000-26	DIODE US1060M
D511	8-719-000-26	DIODE US1060M
D551	8-719-302-95	DIODE SEL2710W
D552	8-719-302-95	DIODE SEL2710W
D553	8-719-302-95	DIODE SEL2710W
D554	8-719-302-95	DIODE SEL2710W
D555	8-719-302-95	DIODE SEL2710W
D651	8-719-302-95	DIODE SEL2710W
D652	8-719-302-95	DIODE SEL2710W
D653	8-719-302-95	DIODE SEL2710W
D654	8-719-302-95	DIODE SEL2710W
D655	8-719-302-95	DIODE SEL2710W
D701	8-719-109-60	DIODE RD2.7ES-2B
D702	8-719-000-26	DIODE US1060M
D901	8-719-302-36	DIODE RBV-402-01
D902	8-719-200-62	DIODE 20E2HTA2
F901 ⚠	1-532-215-00	FUSE, TIME-LAG
FE001	1-463-957-11	(WG,IT)....FRONT END (FM 4 GANG)
FE001	1-463-962-11	(AEP,UK)...FRONT END (FM 2 GANG)
FL001	1-236-172-11	RF BLOCK, MW
FL101	1-235-126-00	(WG,IT)...ENCAPSULATED COMPONENT
FL102	1-235-164-00	FILTER, LOW PASS
FL103	1-235-164-00	FILTER, LOW PASS
IC101	8-759-805-50	IC CXA1269S
IC102	8-759-208-82	IC TC9171P
IC201	8-759-230-54	IC TC9306F-030
IC301	8-759-971-24	IC BA3406AL
IC302	8-759-971-24	IC BA3406AL
IC303	8-752-031-83	IC CXA1101P
IC304	8-752-033-61	IC CXA1198AP
IC305	8-759-240-52	IC TC4052BP
IC306	8-759-601-06	IC M4001BP
IC501	8-759-939-73	IC BA3308
IC502	8-759-932-80	IC BA328
IC503	8-759-602-04	IC M5226P
IC504	8-759-917-42	IC IR2E31A
IC603	8-759-602-04	IC M5226P
IC604	8-759-917-42	IC IR2E31A
IC701	8-749-943-11	IC STK4311
IC901	8-759-701-00	IC NJM7809K
IC902	8-759-701-00	IC NJM7809K
IFT101	1-404-788-11	TRANSFORMER, DISCRIMINATOR(FM)
IFT102	1-404-713-11	TRANSFORMER, IF
J001	*1-562-908-11	(WG,IT)...CONNECTOR, FEMALE (NO SHIELD)(ANT FM
J501	1-507-907-11	JACK, PIN 4P (PHONO/CD IN)
J502	1-563-951-21	JACK (MIC)
J701	1-563-951-11	JACK (HEADPHONES)
J901 ⚠	1-526-931-11	INLET, AC (AC IN)
J902	1-507-563-00	JACK, DC (DC IN)
L001	1-402-374-11	COIL (LW ANT)
L002	1-406-286-11	COIL (LW OSC)
L009	1-410-781-11	INDUCTOR 33MMH

Ref.No.	Part No.	Description
L010	1-410-605-21	INDUCTOR 220UH
L101	1-410-781-11	INDUCTOR 33MMH
L102	1-410-564-21	INDUCTOR 100UH
L301	1-410-779-21	INDUCTOR 22MMH
L401	1-410-779-21	INDUCTOR 22MMH
LCD1	1-808-367-11	DISPLAY PANEL, LIQUID CRYSTAL
PL201	1-518-633-11	LAMP, PILOT
PL202	1-518-633-11	LAMP, PILOT
Q001	8-729-672-42	TRANSISTOR 2SC2724
Q002	8-729-115-15	TRANSISTOR BN1A4M
Q003	8-729-115-15	TRANSISTOR BN1A4M
Q004	8-729-806-28	TRANSISTOR 2SC3402
Q005	8-729-115-15	TRANSISTOR BN1A4M
Q006	8-729-806-28	TRANSISTOR 2SC3402
Q007	8-729-115-15	TRANSISTOR BN1A4M
Q008	8-729-806-28	TRANSISTOR 2SC3402
Q011	8-729-806-28	TRANSISTOR 2SC3402
Q012	8-729-806-28	TRANSISTOR 2SC3402
Q013	8-729-806-28	TRANSISTOR 2SC3402
Q014	8-729-806-14	TRANSISTOR 2SA1497
Q015	8-729-806-14	TRANSISTOR 2SA1497
Q017	8-729-202-67	TRANSISTOR 2SK246GR3
Q018	8-729-801-93	TRANSISTOR 2SD1387
Q020	8-729-672-42	(WG,IT)...TRANSISTOR 2SC2724
Q101	8-729-806-28	TRANSISTOR 2SC3402
Q103	8-729-202-67	TRANSISTOR 2SK246GR3
Q104	8-729-600-27	TRANSISTOR 2SC634SP
Q105	8-729-202-67	TRANSISTOR 2SK246GR3
Q106	8-729-600-27	TRANSISTOR 2SC634SP
Q107	8-729-600-27	TRANSISTOR 2SC634SP
Q201	8-729-600-27	TRANSISTOR 2SC634SP
Q301	8-729-806-28	TRANSISTOR 2SC3901
Q302	8-729-806-38	TRANSISTOR 2SC3399
Q303	8-729-806-38	TRANSISTOR 2SC3399
Q304	8-729-115-12	TRANSISTOR BN1L4M
Q305	8-729-806-38	TRANSISTOR 2SC3399
Q306	8-729-115-12	TRANSISTOR BN1L4M
Q307	8-729-115-12	TRANSISTOR BN1L4M
Q308	8-729-801-93	TRANSISTOR 2SD1387
Q309	8-729-801-93	TRANSISTOR 2SD1387
Q310	8-729-806-38	TRANSISTOR 2SC3399
Q311	8-729-115-12	TRANSISTOR BN1L4M
Q401	8-729-806-26	TRANSISTOR 2SC3901
Q402	8-729-806-38	TRANSISTOR 2SC3399
Q501	8-729-806-26	TRANSISTOR 2SC3901
Q502	8-729-806-26	TRANSISTOR 2SC3901
Q503	8-729-600-27	TRANSISTOR 2SC634SP
Q504	8-729-806-08	TRANSISTOR 2SA1511
Q601	8-729-806-26	TRANSISTOR 2SC3901
Q602	8-729-806-26	TRANSISTOR 2SC3901
Q603	8-729-600-27	TRANSISTOR 2SC634SP
R001	1-215-491-00	(WG,IT)....CARBON 820K 5% 1/4W
R001	1-249-891-00	(AEP,UK)...CARBON 330K 5% 1/4W
R002	1-249-411-11	CARBON 330 5% 1/4W
R003	1-249-401-11	CARBON 47 5% 1/4W
R004	1-249-411-11	(WG,IT)..CARBON 330 5% 1/4W

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description			
R005	1-249-425-11	CARBON	4.7K	5%	1/4W
R006	1-249-425-11	CARBON	4.7K	5%	1/4W
R007	1-249-441-11	CARBON	100K	5%	1/4W
R008	1-249-437-11	CARBON	47K	5%	1/4W
R009	1-249-429-11	CARBON	10K	5%	1/4W
R011	1-215-493-00	CARBON	1M	5%	1/4W
R012	1-249-429-11	CARBON	10K	5%	1/4W
R013	1-249-429-11	CARBON	10K	5%	1/4W
R022	1-249-411-11	CARBON	330	5%	1/4W
R024	1-249-409-11	CARBON	220	5%	1/4W
R027	1-215-491-00	(WG,IT)...CARBON	820K	5%	1/4W
R028	1-249-425-11	CARBON	4.7K	5%	1/4W
R101	1-249-417-11	CARBON	1K	5%	1/4W
R102	1-249-429-11	CARBON	10K	5%	1/4W
R103	1-249-435-11	CARBON	33K	5%	1/4W
R104	1-249-424-11	CARBON	3.9K	5%	1/4W
R106	1-215-438-00	CARBON	5.1K	5%	1/4W
R107	1-249-414-11	(WG,IT)....CARBON	560	5%	1/4W
R107	1-249-416-11	(AEP,UK)...CARBON	820	5%	1/4W
R108	1-249-437-11	CARBON	47K	5%	1/4W
R109	1-249-425-11	CARBON	4.7K	5%	1/4W
R110	1-249-425-11	CARBON	4.7K	5%	1/4W
R111	1-249-422-11	CARBON	2.7K	5%	1/4W
R112	1-249-422-11	CARBON	2.7K	5%	1/4W
R113	1-249-441-11	CARBON	100K	5%	1/4W
R114	1-249-429-11	CARBON	10K	5%	1/4W
R117	1-249-419-11	CARBON	1.5K	5%	1/4W
R118	1-249-423-11	CARBON	3.3K	5%	1/4W
R119	1-249-405-11	CARBON	100	5%	1/4W
R120	1-249-429-11	CARBON	10K	5%	1/4W
R121	1-249-401-11	CARBON	47	5%	1/4W
R122	1-249-414-11	CARBON	560	5%	1/4W
R123	1-249-421-11	CARBON	2.2K	5%	1/4W
R124	1-249-423-11	CARBON	3.3K	5%	1/4W
R125	1-249-418-11	CARBON	1.2K	5%	1/4W
R126	1-249-410-11	CARBON	270	5%	1/4W
R127	1-249-425-11	CARBON	4.7K	5%	1/4W
R128	1-249-425-11	CARBON	4.7K	5%	1/4W
R129	1-249-425-11	CARBON	4.7K	5%	1/4W
R130	1-249-405-11	CARBON	100	5%	1/4W
R131	1-249-417-11	CARBON	1K	5%	1/4W
R132	1-249-418-11	CARBON	1.2K	5%	1/4W
R133	1-249-410-11	CARBON	270	5%	1/4W
R134	1-249-414-11	CARBON	560	5%	1/4W
R135	1-249-421-11	CARBON	2.2K	5%	1/4W
R136	1-249-433-11	CARBON	22K	5%	1/4W
R137	1-249-425-11	CARBON	4.7K	5%	1/4W
R138	1-249-425-11	CARBON	4.7K	5%	1/4W
R139	1-249-432-11	CARBON	18K	5%	1/4W
R140	1-249-432-11	CARBON	18K	5%	1/4W
R141	1-215-493-00	CARBON	1M	5%	1/4W
R142	1-247-895-00	CARBON	470K	5%	1/4W
R201	1-249-419-11	CARBON	1.5K	5%	1/4W
R202	1-249-423-11	CARBON	3.3K	5%	1/4W
R203	1-249-435-11	CARBON	33K	5%	1/4W

Ref.No.	Part No.	Description			
R204	1-249-441-11	CARBON	100K	5%	1/4W
R205	1-249-431-11	CARBON	15K	5%	1/4W
R207	1-249-423-11	CARBON	3.3K	5%	1/4W
R208	1-249-429-11	CARBON	10K	5%	1/4W
R209	1-249-429-11	CARBON	10K	5%	1/4W
R210	1-249-417-11	CARBON	1K	5%	1/4W
R301	1-215-493-00	CARBON	1M	5%	1/4W
R302	1-215-472-00	CARBON	130K	5%	1/4W
R303	1-249-426-11	CARBON	5.6K	5%	1/4W
R304	1-249-431-11	CARBON	15K	5%	1/4W
R305	1-249-433-11	CARBON	22K	5%	1/4W
R306	1-215-493-00	CARBON	1M	5%	1/4W
R307	1-215-472-00	CARBON	130K	5%	1/4W
R308	1-249-426-11	CARBON	5.6K	5%	1/4W
R309	1-249-433-11	CARBON	22K	5%	1/4W
R310	1-249-441-11	CARBON	100K	5%	1/4W
R311	1-249-419-11	CARBON	1.5K	5%	1/4W
R312	1-249-429-11	CARBON	10K	5%	1/4W
R313	1-249-419-11	CARBON	1.5K	5%	1/4W
R314	1-249-426-11	CARBON	5.6K	5%	1/4W
R315	1-249-430-11	CARBON	12K	5%	1/4W
R316	1-249-441-11	CARBON	100K	5%	1/4W
R317	1-249-426-11	CARBON	5.6K	5%	1/4W
R318	1-249-429-11	CARBON	10K	5%	1/4W
R319	1-249-421-11	CARBON	2.2K	5%	1/4W
R351	1-249-429-11	CARBON	10K	5%	1/4W
R352	1-249-429-11	CARBON	10K	5%	1/4W
R353	1-249-437-11	CARBON	47K	5%	1/4W
R354	1-249-437-11	CARBON	47K	5%	1/4W
R355	1-215-460-00	CARBON	43K	5%	1/4W
R356	1-249-441-11	CARBON	100K	5%	1/4W
R357	1-249-429-11	CARBON	10K	5%	1/4W
R358	1-249-441-11	CARBON	100K	5%	1/4W
R359	1-249-441-11	CARBON	100K	5%	1/4W
R360	1-249-417-11	CARBON	1K	5%	1/4W
R361	1-249-437-11	CARBON	47K	5%	1/4W
R362	1-249-413-11	CARBON	470	5%	1/4W
R363	1-249-413-11	CARBON	470	5%	1/4W
R364	1-249-434-11	CARBON	27K	5%	1/4W
R365	1-249-421-11	CARBON	2.2K	5%	1/4W
R366	1-249-421-11	CARBON	2.2K	5%	1/4W
R367	1-249-425-11	CARBON	4.7K	5%	1/4W
R368	1-249-421-11	CARBON	2.2K	5%	1/4W
R369	1-249-425-11	CARBON	4.7K	5%	1/4W
R370	1-249-437-11	CARBON	47K	5%	1/4W
R371	1-249-433-11	CARBON	22K	5%	1/4W
R372	1-249-426-11	CARBON	5.6K	5%	1/4W
R373	1-249-427-11	CARBON	6.8K	5%	1/4W
R374	1-249-429-11	CARBON	10K	5%	1/4W
R375	1-249-436-11	CARBON	39K	5%	1/4W
R376	1-215-468-00	CARBON	91K	5%	1/4W
R377	1-249-435-11	CARBON	33K	5%	1/4W
R378	1-215-468-00	CARBON	91K	5%	1/4W
R379	1-247-881-00	CARBON	120K	5%	1/4W
R380	1-215-466-00	CARBON	75K	5%	1/4W
R381	1-249-433-11	CARBON	22K	5%	1/4W
R382	1-215-470-00	CARBON	110K	5%	1/4W

Ref.No.	Part No.	Description			
R383	1-249-437-11	CARBON	47K	5%	1/4W
R384	1-215-466-00	CARBON	75K	5%	1/4W
R385	1-215-458-00	CARBON	36K	5%	1/4W
R386	1-215-468-00	CARBON	91K	5%	1/4W
R387	1-249-440-11	CARBON	82K	5%	1/4W
R388	1-215-474-00	CARBON	160K	5%	1/4W
R389	1-215-466-00	CARBON	75K	5%	1/4W
R390	1-215-468-00	CARBON	91K	5%	1/4W
R391	1-247-881-00	CARBON	120K	5%	1/4W
R392	1-215-466-00	CARBON	75K	5%	1/4W
R393	1-215-462-00	CARBON	51K	5%	1/4W
R394	1-215-476-00	CARBON	200K	5%	1/4W
R395	1-247-881-00	CARBON	120K	5%	1/4W
R396	1-215-466-00	CARBON	75K	5%	1/4W
R397	1-215-458-00	CARBON	36K	5%	1/4W
R398	1-249-440-11	CARBON	82K	5%	1/4W
R399	1-249-439-11	CARBON	68K	5%	1/4W
R401	1-215-493-00	CARBON	1M	5%	1/4W
R402	1-215-472-00	CARBON	130K	5%	1/4W
R403	1-249-426-11	CARBON	5.6K	5%	1/4W
R404	1-249-431-11	CARBON	15K	5%	1/4W
R405	1-249-433-11	CARBON	22K	5%	1/4W
R406	1-215-493-00	CARBON	1M	5%	1/4W
R407	1-215-472-00	CARBON	130K	5%	1/4W
R408	1-249-426-11	CARBON	5.6K	5%	1/4W
R409	1-249-433-11	CARBON	22K	5%	1/4W
R410	1-249-441-11	CARBON	100K	5%	1/4W
R411	1-249-419-11	CARBON	1.5K	5%	1/4W
R412	1-249-429-11	CARBON	10K	5%	1/4W
R413	1-249-419-11	CARBON	1.5K	5%	1/4W
R414	1-249-426-11	CARBON	5.6K	5%	1/4W
R415	1-249-430-11	CARBON	12K	5%	1/4W
R416	1-249-441-11	CARBON	100K	5%	1/4W
R417	1-249-426-11	CARBON	5.6K	5%	1/4W
R418	1-249-429-11	CARBON	10K	5%	1/4W
R419	1-249-421-11	CARBON	2.2K	5%	1/4W
R451	1-249-411-11	CARBON	330	5%	1/4W
R452	1-249-411-11	CARBON	330	5%	1/4W
R454	1-249-429-11	CARBON	10K	5%	1/4W
R455	1-249-420-11	CARBON	1.8K	5%	1/4W
R456	1-249-420-11	CARBON	1.8K	5%	1/4W
R457	1-249-432-11	CARBON	18K	5%	1/4W
R470	1-249-433-11	CARBON	22K	5%	1/4W
R471	1-249-429-11	CARBON	10K	5%	1/4W
R501	1-249-419-11	CARBON	1.5K	5%	1/4W
R502	1-249-419-11	CARBON	1.5K	5%	1/4W
R503	1-249-409-11	CARBON	220	5%	1/4W
R504	1-249-441-11	CARBON	100K	5%	1/4W
R506	1-249-441-11	CARBON	100K	5%	1/4W
R507	1-249-417-11	CARBON	1K	5%	1/4W
R508	1-249-441-11	CARBON	100K	5%	1/4W
R509	1-249-405-11	CARBON	100	5%	1/4W
R510	1-249-429-11	CARBON	10K	5%	1/4W
R511	1-249-441-11	CARBON	100K	5%	1/4W
R512	1-249-423-11	CARBON	3.3K	5%	1/4W
R513	1-249-441-11	CARBON	100K	5%	1/4W
R514	1-215-442-00	CARBON	7.5K	5%	1/4W

Ref.No.	Part No.	Description			
R515	1-249-410-11	CARBON	270	5%	1/4W
R516	1-249-413-11	CARBON	470	5%	1/4W
R517	1-249-441-11	CARBON	100K	5%	1/4W
R518	1-249-426-11	CARBON	5.6K	5%	1/4W
R519	1-249-431-11	CARBON	15K	5%	1/4W
R520	1-249-429-11	CARBON	10K	5%	1/4W
R521	1-249-405-11	CARBON	100	5%	1/4W
R551	1-249-433-11	CARBON	22K	5%	1/4W
R552	1-249-433-11	CARBON	22K	5%	1/4W
R553	1-249-425-11	CARBON	4.7K	5%	1/4W
R554	1-249-429-11	CARBON	10K	5%	1/4W
R555	1-249-423-11	CARBON	3.3K	5%	1/4W
R556	1-249-419-11	CARBON	1.5K	5%	1/4W
R557	1-247-891-00	CARBON	330K	5%	1/4W
R558	1-249-406-11	CARBON	120	5%	1/4W
R559	1-249-441-11	CARBON	100K	5%	1/4W
R560	1-249-411-11	CARBON	330	5%	1/4W
R561	1-249-411-11	CARBON	330	5%	1/4W
R562	1-249-433-11	CARBON	22K	5%	1/4W
R563	1-249-409-11	CARBON	220	5%	1/4W
R565	1-249-423-11	CARBON	3.3K	5%	1/4W
R567	1-249-437-11	CARBON	47K	5%	1/4W
R610	1-249-429-11	CARBON	10K	5%	1/4W
R611	1-249-441-11	CARBON	100K	5%	1/4W
R612	1-249-423-11	CARBON	3.3K	5%	1/4W
R613	1-249-441-11	CARBON	100K	5%	1/4W
R614	1-215-442-00	CARBON	7.5K	5%	1/4W
R615	1-249-410-11	CARBON	270	5%	1/4W
R616	1-249-413-11	CARBON	470	5%	1/4W
R617	1-249-441-11	CARBON	100K	5%	1/4W
R618	1-249-426-11	CARBON	5.6K	5%	1/4W
R619	1-249-431-11	CARBON	15K	5%	1/4W
R620	1-249-429-11	CARBON	10K	5%	1/4W
R651	1-249-433-11	CARBON	22K	5%	1/4W
R652	1-249-433-11	CARBON	22K	5%	1/4W
R653	1-249-425-11	CARBON	4.7K	5%	1/4W
R654	1-249-429-11	CARBON	10K	5%	1/4W
R655	1-249-423-11	CARBON	3.3K	5%	1/4W
R656	1-249-419-11	CARBON	1.5K	5%	1/4W
R657	1-247-891-00	CARBON	330K	5%	1/4W
R658	1-249-406-11	CARBON	120	5%	1/4W
R659	1-249-441-11	CARBON	100K	5%	1/4W
R701	1-249-417-11	CARBON	1K	5%	1/4W
R702	1-249-433-11	CARBON	22K	5%	1/4W
R703	1-249-423-11	CARBON	3.3K	5%	1/4W
R704	1-249-402-11	CARBON	56	5%	1/4W
R705 ⚠	1-213-080-61	(West Germany,IT) ....FUSIBLE	68	5%	1W F
R706	1-249-482-11	CARBON	4.7	5%	1/2W
R707	1-247-710-11	CARBON	560	5%	1/4W
R708	1-249-421-11	CARBON	2.2K	5%	1/4W
R750	1-249-482-11	CARBON	4.7	5%	1/2W
R751	1-249-425-11	CARBON	4.7K	5%	1/4W
R752	1-249-429-11	CARBON	10K	5%	1/4W
R753	1-249-417-11	CARBON	1K	5%	1/4W
R754	1-249-409-11	CARBON	220	5%	1/4W
R755	1-249-437-11	CARBON	47K	5%	1/4W

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description				
R801	1-249-417-11	CARBON	1K	5%	1/4W	
R802	1-249-433-11	CARBON	22K	5%	1/4W	
R803	1-249-423-11	CARBON	3.3K	5%	1/4W	
R804	1-249-402-11	CARBON	56	5%	1/4W	
R805 ⚠	1-213-080-61	FUSIBLE	68	5%	1W	F
R806	1-249-482-11	CARBON	4.7	5%	1/2W	
R807	1-247-710-11	CARBON	560	5%	1/4W	
R808	1-249-421-11	CARBON	2.2K	5%	1/4W	
R850	1-249-482-11	(West Germany,IT) ...CARBON	4.7	5%	1/2W	
RT101	1-228-994-00	RES, ADJ, CARBON 10K				
RT102	1-228-994-00	RES, ADJ, CARBON 10K				
RV301	1-230-504-11	RES, ADJ, CARBON 220				
RV302	1-230-504-11	RES, ADJ, CARBON 220				
RV303	1-228-993-00	RES, ADJ, CARBON 4.7K				
RV304	1-228-997-00	RES, ADJ, CARBON 100K				
RV401	1-230-504-11	RES, ADJ, CARBON 220				
RV402	1-230-504-11	RES, ADJ, CARBON 220				
RV403	1-228-993-00	RES, ADJ, CARBON 4.7K				
RV404	1-228-997-00	RES, ADJ, CARBON 100K				
RV451	1-228-991-00	RES, ADJ, CARBON 2.2K				
RV452	1-228-990-00	RES, ADJ, CARBON 1K				
RV453	1-228-991-00	RES, ADJ, CARBON 2.2K				
RV454	1-228-990-00	RES, ADJ, CARBON 1K				
RV501	1-238-065-11	RES, VAR, SLIDE 250K/250K (GEQ 100Hz)				
RV502	1-238-065-11	RES, VAR, SLIDE 250K/250K (GEQ 400Hz)				
RV503	1-238-065-11	RES, VAR, SLIDE 250K/250K (GEQ 1kHz)				
RV504	1-238-065-11	RES, VAR, SLIDE 250K/250K (GEQ 4kHz)				
RV505	1-238-065-11	RES, VAR, SLIDE 250K/250K (GEQ 12kHz)				
RV506	1-238-101-11	RES, VAR, SLIDE 100K (BALANCE)				
RV507	1-238-149-11	RES, VAR, CARBON 50K/50K (VOLUME)				
RY301	1-515-614-21	RELAY				

Ref.No.	Part No.	Description
S201	1-554-303-21	SWITCH, KEY BOARD (PRESET 1)
S202	1-554-303-21	SWITCH, KEY BOARD (PRESET 2)
S203	1-554-303-21	SWITCH, KEY BOARD (PRESET 3)
S204	1-554-303-21	SWITCH, KEY BOARD (PRESET 4)
S205	1-554-303-21	SWITCH, KEY BOARD (PRESET 5)
S206	1-554-303-21	SWITCH, KEY BOARD (BAND)
S207	1-554-303-21	SWITCH, KEY BOARD (AUTO/NORMAL)
S208	1-554-303-21	SWITCH, KEY BOARD (TUNING -)
S209	1-554-303-21	SWITCH, KEY BOARD (TUNING +)
S210	1-554-303-21	SWITCH, KEY BOARD (MEMORY)
S301	1-554-798-31	SWITCH, SLIDE (ISS)
S302	1-571-305-11	SWITCH, PUSH (1 KEY)(DOLBY NR)
S303	1-571-305-11	SWITCH, PUSH (1 KEY)(DUBBING SPEED)
S501	1-570-205-11	SWITCH, PUSH (4 KEY)(FUNCTION)
S502	1-554-444-00	SWITCH, PUSH (1 KEY)(DOL)
S901 ⚠	1-554-920-11	SWITCH, PUSH (AC POWER)(1 KEY)(POWER)
S902	1-570-822-11	SWITCH, LEAF (POWER)
T901 ⚠	1-449-250-11	TRANSFORMER, POWER
TB001	1-536-707-00	(West Germany,IT)... TERMINAL BOARD, PUSH 2P (EXT ANT AM)
TB001	1-537-151-21	(AEP,UK)...TERMINAL BOARD (EXT ANT)
TB002	1-563-199-21	(West Germany,IT)... CONNECTOR, PAL (EXT ANT FM)
TB701	1-537-151-11	TERMINAL BOARD (SPEAKER)
TP101	*1-560-060-00	PIN, CONNECTOR 2P
TP301	*1-564-506-11	PLUG, CONNECTOR 3P
TP401	*1-564-505-11	PLUG, CONNECTOR 2P
TP501	*1-535-364-00	PIN, RAPPING
TP502	*1-535-364-00	PIN, RAPPING
X101	1-577-075-11	OSCILLATOR, CERAMIC (456kHz)
X201	1-567-767-11	VIBRATOR, CRYSTAL (7.2MHz)

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

9-953-179-11

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Audio Group

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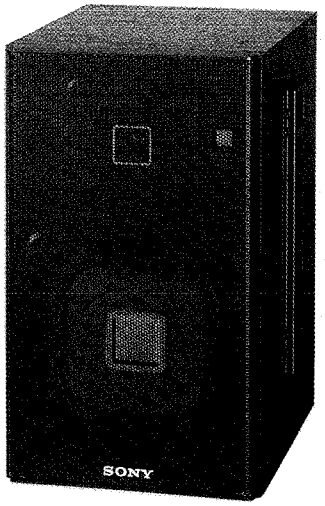
APM-404A/606A

SERVICE MANUAL



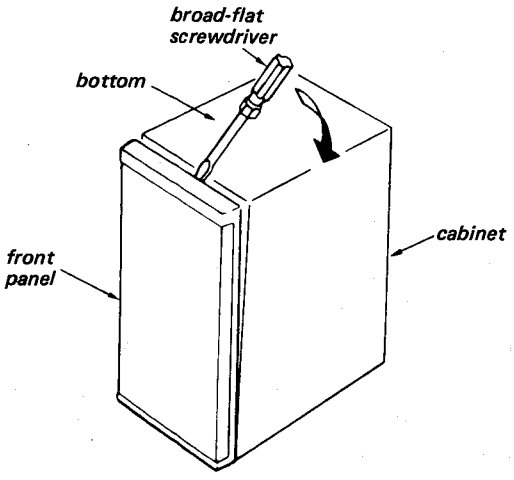
AEP Model
UK Model
APM-404A
Italian Model
UK Model
APM-606A

SPECIFICATIONS

Speaker system	2 way speaker system
Speaker units	Woofer: 134 cm^2 APM type
	Tweeter: 5 cm dia. cone type
Enclosure type	Bass reflex
Frequency range	60 Hz – 20 kHz
Sensitivity	87dB/W/m
Impedance	4 ohms (404A)
	6 ohms (606A)
Dimensions	Approx. 170 x 290 x 205 mm
	($6^3/_4$ x $11^1/_2$ x $8^1/_8$ inches)
Weight	Approx. 3 kg (6lb 10 oz)

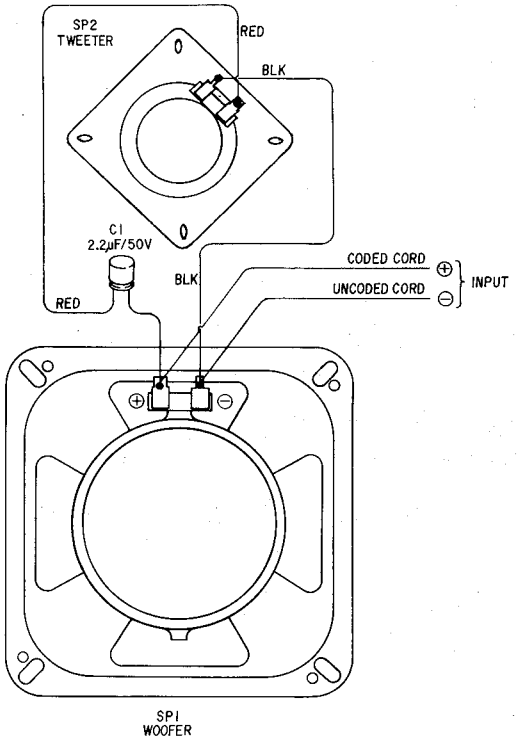
- APM-404A (AEP model) is the speaker system in FH-404 and FH-404CD.
- APM-606A (italian model) is the speaker system in FH-606.

1. FRONT PANEL REMOVAL



Note: Be careful not to scratch the cabinet.

2 WIRING DIAGRAM

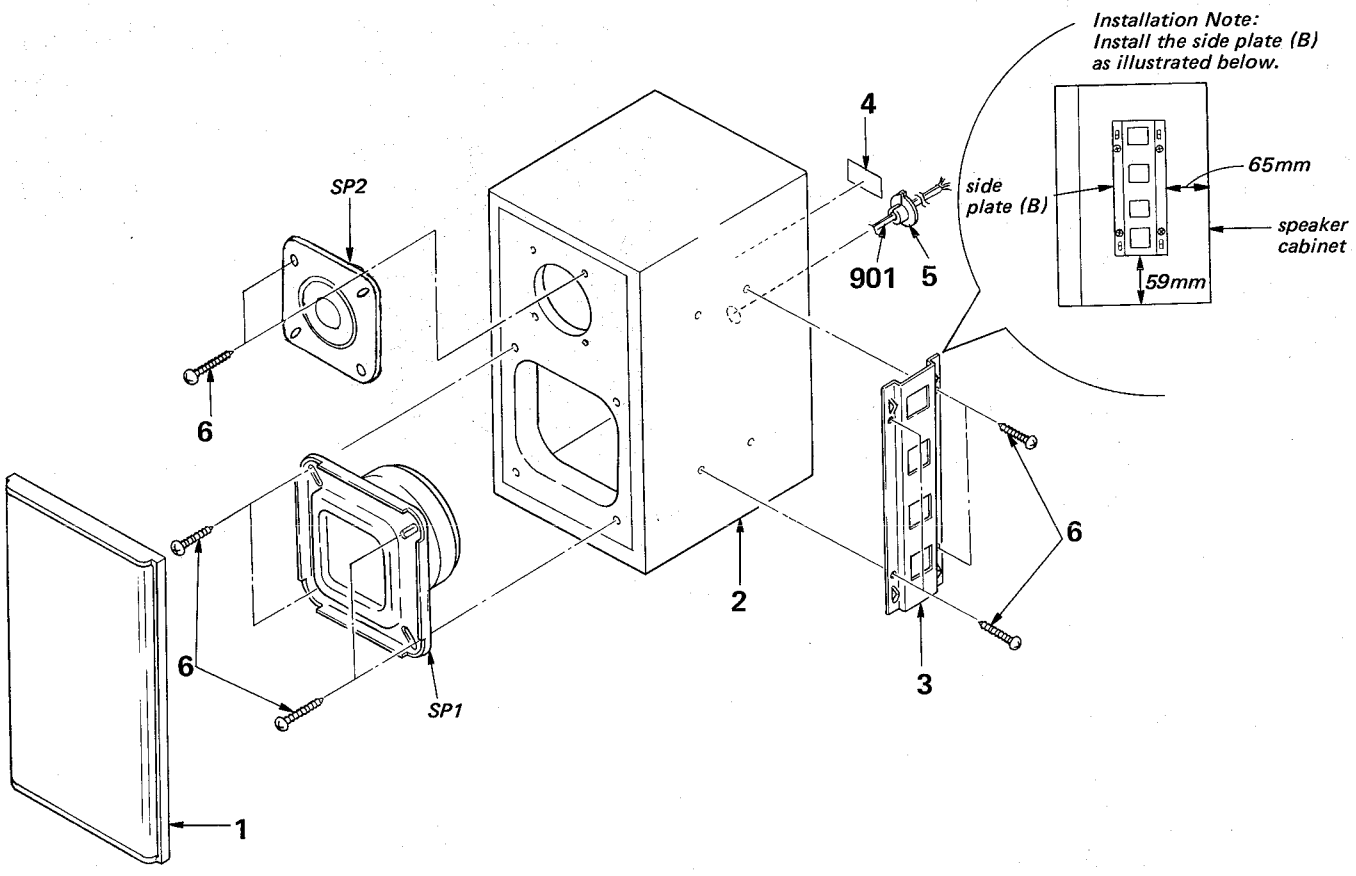


MICROFILM

SPEAKER SYSTEM

SONY®

3. EXPLODED VIEW AND PARTS LIST



No.	Part No.	Description	Remarks
1	X-4919-650-1	PANEL ASSY, FRONT	
2	4-925-504-01	(404A:AEP,UK,606A)....CABINET, SPEAKER	
	4-925-504-11	(404A:West Germany)...CABINET, SPEAKER	
3	4-920-144-01	PLATE (B), SIDE	
4	*4-925-502-01	(606A)...LABEL, MODEL NUMBER	
	*4-925-509-01	(404A)...LABEL, MODEL NUMBER	
5	4-870-003-00	CLIPPER, CORD	
6	4-874-614-11	SCREW (4) (3.5X14), TAPPING	

Ref.No.	Part No.	Description
901	1-559-863-11	CORD, SPEAKER
C1	1-123-544-00	ELECT 2.2MF 20% 50V
SP1	1-503-953-11	(404A)...SPEAKER (WOOFER)
SP1	1-503-964-11	(606A)...SPEAKER (WOOFER)
SP2	1-503-960-11	SPEAKER (5CM)(TWEETER)

ACCESSORY & PACKING MATERIAL

3-701-690-00	(UK)... LABEL (MADE IN JAPAN)
4-920-121-01	CUSHION
4-920-151-01	SHEET, PROTECTION
3-786-083-11	(UK)... MANUAL, INSTRUCTION
4-922-780-01	(404A: UK)... INDIVIDUAL CARTON
4-922-781-01	(606A: UK)... INDIVIDUAL CARTON

9-953-096-11

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